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FERTILIZER ANALYSES

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ADDRESS

Chemical Department, Maryland State College of Agriculture

COLLEGE PARK, MD.

ANALYSES OF

Fertilizers Sold in Maryland

BY THE DIVISION OF APPLIED SCIENCE OF

The Maryland State College of Agriculture

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The tables on the following pages are made up of the results of the Analysis of fertilizers made at the College from February to June, 1916, inclusive.

The majority of the samples analyzed are obtained by our sampling agents, the samples being taken while the goods are in transit, on vessels, wharves, cars or stations, from farmers' wagons, barns, etc. It is impossible for us to analyze all samples we collect; duplicates are generally omitted.

When a sample has been sent in by a farmer, his name, or initials, will be found after the "place of sampling." If "place of sampling" is not given, the sample has been made up of two or more samples taken at different places. Before sending samples of fertilizer for analysis, farmers should always send for blank forms and directions, stating the number of blanks wanted. One blank is required for each sample. No sample will be analyzed unless the proper blank form is used.

The figures in the columns headed "Ammonia," "Potash" and "Phosphoric Acid," are percentages, or pounds per hundred. To get pounds per ton multiply the per cent by 20. The columns headed "Found" contain the results found by analysis; those headed "Guaranteed" contain the essential parts of the guarantee as stamped on the bags.

The "Comparative Value Found" is calculated from the results of analysis as found in our laboratory: the "Comparative Value Guaranteed" is calculated from the manufacturers' guaranteed analysis as printed on the bags; in each case using the following schedule:

SCHEDULES FOR CALCULATING COMPARATIVE VALUES.

In Mixed Fertilizers:

For Nitrogen, calculated as Ammonia	20 cts. per pound
For Potash (K_2O)	30 cts. per pound
For Available Phosphoric Acid	5 cts. per pound
For Insoluble Phosphoric Acid	2 cts. per pound
For Insoluble Phosphoric Acid when from rock	1 ct. per pound

In Dissolved Rock:

Available Phosphoric Acid	5 cts. per pound
Insoluble Phosphoric Acid	1 ct. per pound

In Tankage:

For Nitrogen, calculated as Ammonia	20 cts. per pound
For Phosphoric Acid	3 cts. per pound

In Ground Bone:

For Nitrogen, calculated as Ammonia	20 cts. per pound
For Phosphoric Acid	3 cts. per pound

LIME IN MIXED FERTILIZERS AS A DRIER AND FILLER.

The principal source of phosphoric acid for fertilizers is the natural calcium phosphate which occurs in large quantities in South Carolina, Tennessee and Florida. The natural rock used for fertilizer making contains, as a rule, between 60 and 70 per cent. tricalcium phosphate. This phosphate is insoluble in water and has a very low availability as a plant food in giving quick results.

The natural rock is dried and ground to a fine powder and treated with nearly its own weight of sulfuric acid as the latter comes from the acid factory. This acid is used in such an amount that it combines with all the lime present in the form of carbonates of lime, and with two-thirds of the lime present as phosphate of lime, leaving the phosphoric acid in combination with a smaller amount of lime in the so-called acid phosphate condition, which is soluble in water. The sulfuric acid used remains in the mixture combining with calcium or lime as calcium sulfate, similar to the familiar land plaster. The commercial acid phosphate or dissolved rock contains more than half its weight of this plaster, which is incident to the method of manufacture. Shortly after the acid phosphate is prepared, a great amount of the phosphoric acid will be found to be soluble in water. A small amount, usually not over 1 per cent., is not thoroughly acted upon by the acid and remains insoluble in water, and a further small amount, probably 1 per cent., is intermediate between the acid phosphate and the insoluble phosphate, being mostly what the chemist calls dicalcium phosphate and is soluble in a solution of citrate of ammonia. As the phosphate ages some chemical action takes place and there is a slight reduction in the amount of soluble phosphate and a corresponding increase in the citrate soluble phosphate. This is frequently called reverted phosphoric acid for the reason that most of it reverts from the soluble to the partly soluble condition. The sum of the "water soluble" and the "citrate soluble" or "reverted" gives what is known as the "available phosphoric acid." In practice the available phosphoric acid may be readily determined by finding the amount of total phosphoric acid and the amount of insoluble phosphoric acid, the latter being insoluble in both water and ammonium citrate, the difference being the available phosphoric acid. The water soluble phosphoric acid is the most valuable form in a fertilizer. It is found, however, that the reverted phosphoric acid, especially when it occurs in the small amount usually expected, is nearly as valuable as the soluble phosphoric acid. Hence, in a number of States, including Maryland, the practice has been to simplify the work and results by determining and publishing only the available phosphoric acid, not giving its constituent parts of soluble phosphoric acid and reverted phosphoric acid.

It seems, however, that a result of this practice has lead to certain abuses in the manufacture of fertilizer by a number of the manufacturers of the same by using as a drier, conditioner and filler, some form of lime, usually ground oyster shells or ground limestone. When this material is mixed with a fertilizer containing soluble, and necessarily, acid phosphate, it neutralizes the acid of the phosphate, the phosphoric acid combining with more lime and frequently all of the phosphoric acid becomes reverted and changed to the reverted phosphoric acid and some even to the insoluble phosphoric acid.

In the work of preparing the analyses for this bulletin, about 200 of the mixed fertilizers herein, which showed signs of containing lime, were tested for soluble phosphoric acid and show, as expected, very small amounts. It was at first intended to publish these results, but as time did not permit making this test on the unsuspected samples, it was thought best to withhold the results for the present. It is contemplated, however, in the next bulletin to show the water soluble phosphoric acid in all fertilizers and to allow a greater comparative value for this form, than for the reverted phosphoric acid.

While the use of carbonate of lime will put a fertilizer, otherwise wet and sticky, in good mechanical condition in a short time so that a fresh phosphate has the appearance of one aged or cured for some time, it is generally held to be bad practice to use the expensive sulfuric acid to render the phosphate soluble and then proceed to neutralize and undo this work by the addition of lime.

The phosphoric acid in two mixed fertilizers containing 10 per cent. available phosphoric acid, one with lime and the other without lime, would show phosphoric acid probably as follows:

	Without Lime.	**With Lime.**
Soluble Phosphoric Acid.....	8.00 per cent.	0.50 per cent.
Reverted Phosphoric Acid.....	2.00 per cent.	9.00 per cent.
Insoluble Phosphoric Acid....	1.00 per cent.	1.50 per cent.

When the results on soluble phosphoric acid are published the users of commercial fertilizers will purchase such fertilizers with their eyes open. Lime used in this way certainly has a detrimental effect on the fertilizer and the small amount of lime that is applied to the soil in such a way is of no practical use.

No.	Name and Address of Manufacturer and Name of Fertilizer	Place of Sampling (and Senders initials when not Sampled by the College Agent.)	NITROGEN Calculated as AMMONIA.		POTASH. K_2O.		PHOSPHORIC ACID.				Comparative Value Per Ton Found.	Comparative Value Per Ton Guaranteed.
							Insoluble.		Available.			
			Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.		
	American Agricultural Chemical Co., N. Y., N. Y.											
33109	Acid Phosphate 14%	Baltimore	.....	.....	.....	.....	.88	.....	14.15	14.00	$14.33	$14.00
33026	Acid Phosphate 16%	Baltimore	.....	.....	.....	.....	.67	.....	16.07	16.00	16.20	16 00
33152	Acid Phosphate 12% Low Grade	Baltimore	.....	.....	.....	.....	.83	.....	12.43	12.00	12.61	12.00
33422	Agriculture Salt	Baltimore	.....	.....	2.88	.....	.....	.....	.....	.....	.....	.....
33442	Ammoniated Fertilizer	Baltimore	4.73	5.00	.....	.....	1.25	. ...	9.48	8.00	28.90	28.00
33110	Ammoniated Fertilizer	Baltimore	3.91	4.00	.....	.....	1.42	.....	9.05	8.00	25.26	24.00
33272	Ammoniated Fertilizer "A"	Baltimore	1.14	1.00	.....	.....	1.38	.. ..	9.82	10.00	14.93	14.00
33355	Ammoniated Fertilizer "AA"	Bartholows	1.96	2.00	.....	.....	1.97	.....	9.58	10.00	18.21	18 00
33006	Ammoniated Fertilizer "AAA"	Baltimore	3.12	3.00	.....	.....	1.32	.....	10.44	10.00	23.45	22.00
33219	Ammoniated Super Phos. (L. G.)	Baltimore	1.30	1.00	.....	....	1.25	.....	8.07	8.00	13.77	12.00
33034	Ammoniated Superphosphate	Baltimore	4.95	5.00	.....	.....	1.37	.....	7.09	7.00	27.44	27.00
33330	Ammoniated Superphosphate	Baltimore	1.91	2.00	.....	.....	1.67	.....	12.33	12.00	20.64	20.00
33061	Climax Top Dresser	Baltimore	5.03	5.00	.....	.....	.25	.....	8.95	8.00	29.17	28.00
33374	Dead Shot Phos. (Low Grade)	Baltimore	.78	.50	.94	1.00	1.72	.....	8.47	8.00	17.92	16.00
33057	Dissolved Animal Bone	Baltimore	2.17	2.50	.....	.....	2.02	.....	12.01	12.00	21.50	22.00
33430	Fine Ground Bone	Annapolis	3.16	3.00	.....	.....	*23.51	*22 88	.....	.....	26 75	25.73
33128	Fish Guano 1916	Baltimore	1.09	1.00	.94	1.00	1.72	.....	8.40	8.00	19.09	18.00
33041	5-8-0 Fertilizer	Baltimore	4.76	5.00	.....	.....	1.75	.....	8.21	8.00	27.95	28.00
33029	High Grade Ground Bone	Baltimore	4.50	4.00	.....	.....	*21.42	*20.59	.....	.....	30.85	28.35
33058	Pure Raw Bone	Baltimore	4.52	4.50	.....	.....	*21.42	*21.51	.....	.....	30.93	30.91
33375	Special Bone Mixture	Baltimore	1.38	1.50	.....	.....	*18.58	*19.00	.....	.....	16.67	17.40
	A. A. C. Co., (Canton), Balto., Md.											

	A. A. C. Co., (Canton), Balto., Md.											
33427	Baker's Fish Guano 1916		1.93	2.00	.90	1.00	2.05	9.71	9.00	$23.65	$23.00
33153	Bk's Spec. Wht., C.&G.M. 1916	Baltimore	1.21	1.00	.94	1.00	2.08	10.07	9.00	21.38	19.00
33063	Baker's Sta'd H.G. Guano 1916.	Baltimore	2.35	2.50	1.03	1.00	1.30	8.82	8.00	24.92	24.00
33243	Eagle Phoshate (Low Grade)...	Baltimore	1.11	1.00	.94	1.00	1.67	8.26	7.00	19.01	17.00
33244	Harrow Brand Crop Crower....	Baltimore	1 19	1.00	.88	1.00	1.82	8.56	8.00	19 33	18.60
33382	Resurgam Guano 1916	Baltimore	1.30	1.00	.86	1.00	1.25	10.35	10.00	21.21	20.00
33349	Trucker's Joy 1916	Baltimore	4.37	5.00	1.03	1.00	.98	8.25	8.00	32.30	34.00
	A. A. C. Co., (Detrick), Balto., Md.										
33400	Boss Truck Grower 1916	Baltimore	2.61	2.50	1.14	1.00	1.07	8.81	8.00	26.52	24.00
33217	Corn & Oats Fertilizer	Baltimore	1.01	1.00	.88	1.00	1.82	9.37	9.00	19.42	19.00
33072	Gold Basis 1916	Baltimore	6.14	7.00	1.06	1.00	1.43	7.84	6.00	38.83	40.00
33267	Gold Eagle 1916	Baltimore	3.05	3.00	.90	1.00	1.28	9.91	9.00	28.02	27.00
33268	Imperial Compound	Baltimore	1.71	1.00	.92	1.00	1.52	10.93	10.00	23.90	20.00
33398	Kangaroo Komplete Kompound.	Baltimore	1.89	2.00	.90	1.00	1.22	10.49	10.00	23.94	24.00
33218	Quick Step Phosphate 1916	Baltimore	2.75	3 00	1.20	1.00	1.90	9.67	9.00	28.63	27.00
33366	Royal Crop Grower 1916	Baltimore	1.86	2 00	.90	1.00	1.72	9.68	9.00	23.21	23.00
33046	7-8-0 Fertilizer	Baltimore	6.69	7.00			1.60	8.09	8.00	35.49	36.00
33413	Standard Potash 1916	Baltimore	1.45	1.50	1.12	1.00	1.67	10.22	10.00	23.41	22.00
	A. A. C. Co., (Dudley & Carpenter),	**Balto., Md.**									
33288	California Tobacco Compound..	Baltimore	3.63	4.00	1.03	1.00	1.18	8.02	8.00	29.19	30.00
	A. A. C. Co., (Lazaretto), Balto.,	**Md.**									
33264	Ammoniated Phosphate 1916....	Baltimore	1.04	1.00	1.03	1.00	1.72	8.56	8.00	19.59	18.00
33377	Crop Grower	Baltimore	2.02	2.00	.80	1.00	1.17	10.02	9.00	23.37	23.00
33239	Excelsior "AAA" (L. Gr)	Baltimore	.94	1.00	.92	1.00	1.57	8.49	7.00	18.40	17.00
33402	Farmers Favorite	Ellicott City	1.04	1.00	1.08	1.00	1.55	8.62	8.00	19.88	18.00
33299	Farmers Reliable 1916	Baltimore	2.08	2.00	1.02	1.00	1.52	10.36	10.00	25.41	24.00
33417	Spec. Tob. & Potato Fert 1616..	Baltimore	2.63	3.00	.68	1.00	1.80	9.80	9.00	25.12	27.00
33162	Super Phosphate 1916	Baltimore	2.52	2.50	.82	1.00	1.28	8.89	8.00	24.40	24.00
33186	Tomato Compound 1916	Baltimore	1.43	1.50	.86	1.00	1.48	11.03	10.00	22.50	22.00
	A. A. C. Co., (Maryland), Balto.,	**Md.**									
33220	Special Mixture 1916	Baltimore	2.54	2.50	1.03	1.00	1.48	10.67	10.00	27.60	26.00
	A. A. C. Co., (Nickerson), Easton,	**Md.**									
33088	Early Queen 1916	Baltimore	4.52	5.00	1.06	1.00	.82	8.63	7.00	33.40	33.00
33367	Mixture 1916 (Low Grade)	Baltimore	.65	.50	2.06	1.00	.95	8.69	8.00	24.03	16.00
33038	Tomato Fertilizer	Baltimore	1.57	1.00	.84	1.00	1.97	10.02	10.00	22.13	20.00

*Total Phosphoric Acid.

No.	Name and Address of Manufacturer and Name of Fertilizer	Place of Sampling (and Senders initials when not Sampled by the College Agent.)	NITROGEN Calculated as AMMONIA.		POTASH. K_2O.		PHOSPHORIC ACID.				Comparative Value Per Ton Found.	Comparative Value Per Ton Guaranteed.
							Insoluble.		Available.			
			Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.		
	A. A. C. Co., (Pollock Fertilizer Co.), Balto., Md.											
33000	Accomac Trucker 1916	Baltimore	4.27	5.00	1.08	1.00	1.07		9.02	8.00	$33.01	$34.00
33076	Ammoniated Fertilizer "A"	Baltimore	1.84	1.00			1.20		10.02	10.00	17.86	14.00
33347	Ammoniated Fertilizer "AA"	Baltimore	1.79	2.00			2.22		10.16	10.00	18.21	18.00
33142	Ammoniated Fertilizer "AAA"	Baltimore	2.93	3.00			1.68		10.24	10.00	22.63	22.00
33132	Ammoniated Super Phos. 1916	Baltimore	1.86	2.00	1.02	1.00	1.62		10.14	9.00	24.35	23.00
33423	Ammoniated Super Phos. 1916	Baltimore	1.96	2.00	2.04	2.00	1.05		8.67	8.00	29.17	28.00
33001	Corn & Oats Special (L. Gr.)	Baltimore	.68	.50	.92	.50	1.47		8.54	8.00	17.37	13.00
33168	Corn, Wht & T'm'to Guano 1916	Baltimore	1.06	1.00	.86	1.00	1.77		8.37	8.00	18.48	18.00
33169	Dissolved S. C. Phosphate	Baltimore					1.10		14.20	14.00	14.42	14.00
33024	High Grade Super Phosphate	Baltimore					.82		16.09	16.00	16.25	16.00
33443	Nitrate Soda	Baltimore	18.44	18.23								
33439	Spec. Potato & Tob. Fert. 1916.	Baltimore	2.53	2.50	1.02	1.00	1.35		9.19	8.00	25.97	24.00
	A. A. C. Co., (Slingluff), Balto., Md.											
33002	10% Tob'co Plant Bed Fert 1916	Baltimore	9.14	10.00	1.16	1.00	1.42		6.23	5.00	50.32	51.00
33248	Top Dresser 1916	Baltimore	4.81	5.00	.92	1.00	.98		8.46	8.00	33.61	34.00
	A. A. C. Co., (Susquehanna), Balto., Md.											
33368	Ammoniated Phosphate 1916	Baltimore	2.03	2.00	.88	1.00	.88		10.52	9.00	24.27	23.00
33401	Crop Grower (Low Grade)	Baltimore	1.11	1.00	.96	1.00	1.45		7.48	7.00	18.26	17.00
33416	Spec. Pot. & Tob. Manure 1916.	Baltimore	1.95	2.00	1.20	1.00	.90		9.41	9.00	24.77	23.00
	A. A. C. Co., (J. E. Tygert & Co.), Phila., Pa.											
33064	Acid Phosphate 14%	Baltimore					.84		14.02	14.00	14.19	14.00

33352	Acid Phosphate 16%	Baltimore					.50		16.56	16.00	$16.66	16.00
33332	Ammoniated Fertilizer "A"	Baltimore	1.21	1.00			2.05		10.02	10.00	15.68	14.00
33395	Golden Harvest Phosphate 1916	Baltimore	1.54	1.00	.90	1.00	1.40		10.14	8.00	22.26	18.00
33031	H. G. Special Fertilizer	Baltimore	4.54	5.00	1.04	1.00	.82		8.84	8.00	33.57	34.00
33030	Premium Manure 1916	Baltimore	2.87	3.00	.90	1.00	1.22		9.70	9.00	27.07	27.00
33396	Quaker's Special Fertilizer 1916	Baltimore	1.04	1.00	1.04	1.00	1.95		10.10	10.00	21.28	20.00
33397	Standard Fertilizer 1916	Baltimore	1.93	2.00	.76	1.00	1.85		9.95	9.00	22.77	23.00
	A. A. C. Co., (Wheeler), Rutland, Vt.											
33301	Corn Fertilizer 1916	Baltimore	2.04	2.00	.80	1.00	1.35		10.83	10.00	24.33	24.00
33187	High Grade Acid Phosphate	Baltimore					.92		16.14	16.00	16.32	16.00
33345	Peerless Acid Phosphate	Baltimore					.90		14.45	14.00	14.63	14.00
33111	Potato Manure 1916	Baltimore	2.37	2.50	1.06	1.00	1.25		10.66	10.00	27.00	26.00
33302	Royal Wheat Grower 1916	Baltimore	1.04	1.00	.78	1.00	1.68		9.07	8.00	18.54	18.00
33112	Special Tomato Fertilizer 1916	Baltimore	1.01	1.00	.88	1.00	1.80		9.52	9.00	19.56	19.00
	A. A. C. Co., (Williams & Clark), Balto., Md.											
33155	Spec. for Sweet Potatoes 1916	Baltimore	2.05	2.00	.92	1.00	1.38		9.67	9.00	23.94	23.00
	A. A. C. Co., (Zell), Baltimore, Md.											
33409	Ammoniated Super Phosphate	Laurel	2.04	2.00	1.94	2.00	1.87		7.81	8.00	28.36	28.00
33221	Ammoniated Super Phosphate	Baltimore	2.03	2.00	.80	1.00	1.35		9.76	9.00	23.22	23.00
33177	Little Treasure (Low Grade)	Baltimore	2.02	1.00	.62	1.00	1.38		9.74	7.00	22.09	17.00
33208	Special Compound 1916	Baltimore	2.90	3.00	1.05	1.00	1.32		10.20	9.00	28.63	27.00
	American Fertilizing Co., Balto., Md.											
33192	Acid Phosphate 10% (L. Gr.)	Baltimore					1.45		12.02	10.00	12.31	10.00
33240	Acid Phosphate 12% (L. Gr.)	Baltimore					1.07		13.96	12.00	14.17	12.00
33428	American Eagle Crop Grower	Baltimore	2.03	2.00	2.04	2.00	1.67	1.00	7.86	8.00	28.89	28.40
33113	Ammoniated Bone Compound	Baltimore	1.18	1.00	1.66	2.00	1.30	1.00	8.74	8.00	23.94	24.40
33452	Ammoniated Bone Compound	Preston (A.J.Q.)	1.11	1.00	1.68	2.00	1.31	1.00	9.16	8.00	24.20	24.40
33090	Ammoniated Phosphate	Baltimore	2.06	1.25			1.55	1.00	11.38	10.00	20.24	15.40
33114	Champion Amm'ated Sup. Phos.	Baltimore	2.42	2.00			1.58		11.06	10.00	21.37	18.00
33039	Eagle Ammoniated Compound	Baltimore	2.80	3.00			1.57	1.00	9.62	10.00	21.45	22.40
33157	Eagle Guano Revised	Baltimore	3.46	3.00	1.62	2.00	1.30	1.00	8.93	8.00	33.01	32.40
33193	Fish & Bone Compound Revised	Baltimore	1.57	2.00	1.02	1.00	1.52	1.00	7.36	8.50	20.37	22.90
33044	Fish & Bone Special	Baltimore	2.12	2.00			2.62	1.00	10.74	11.00	20.27	19.40
33045	Grain & Grass Grower Revised	Baltimore	1.05	1.00	1.02	1.00	2.15	1.00	8.88	9.00	20.06	19.40
33282	Grain Rel. Am'on'd Form (L. G.)	Rocky Ridge	.65	.50			1.18	1.00	9.53	10.00	12.60	12.40
33231	H. G. Acid Phosphate	Baltimore					1.30		15.20	14.00	15.46	14.00
33414	H. G. Acid Phosphate	Baltimore					1.92		15.64	16.00	16.02	16.00

No.	Name and Address of Manufacturer and Name of Fertilizer	Place of Sampling (and Senders initials when not Sampled by the College Agent.)	NITROGEN Calculated as AMMONIA.		POTASH. K_2O.		PHOSPHORIC ACID.				Comparative Value Per Ton Found.	Comparative Value Per Ton Guaranteed.
							Insoluble.		Available.			
			Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.		
	American Fertilizing Co., Balto., Md.											
33275	Imp. Pulv. Goat Manure (L.Gr.)	Baltimore	1.27	1.25	2.80	2.50	.18	1.00	1.06	.50	$23.01	$20.90
33115	Potato Guano with 1% Potash	Baltimore	3.58	4.00	.84	1.00	1.17	1.00	8.51	8.00	28.34	30.40
33007	Potato & Truck Guano	Baltimore	3.89	4.00	1.50	2.00	1.27	1.00	8.88	8.00	41.73	36.40
33023	Potato & Truck Guano	Pocomoke City	3.69	4.00	1.92	2.00	.97	.....	8.59	8.00	36.98	36.00
33158	Reliable Guano	Baltimore	1.09	1.00	1.08	1.00	2.25	1.00	7.57	9.00	19.31	19.40
33232	Rescue Crop Compound Revised	Baltimore	2.29	2.00	.84	1.00	1.40	1.00	9.57	10.00	24.33	24.40
33383	Spec. ½% Formula (L. Gr.)	Baltimore	.65	.50	.58	.50	1.07	1.00	8.02	8.00	14.53	13.40
33116	Stable Manure Substitute Rev.	Baltimore	3.07	3.00	.....	.....	1.45	.....	7.08	7.00	19.94	19.00
33420	Steamed Bone	Cardiff	3.67	3.00	.....	.....	*23.64	*22.88	.....	.....	28.86	25.73
	Armour Fertilizer Works, Balto., Md.											
33081	Acid Phosphate	Baltimore	.....	.....	.....	.....	.95	.....	16.47	16.00	16.66	16.00
33195	Bone Meal	Chestertown	3.14	3.00	.....	.....	*24.59	*22.00	.....	.....	27.31	25.20
33290	Crop Grower	Baltimore	1.01	1.00	1.60	2.00	.92	.....	8.01	8.00	22.02	24.00
33196	Farmers Choice	Chestertown	1.11	1.00	3.03	3.00	.98	.....	9.06	9.00	32.07	31.00
33305	Fish Mixture	Baltimore	2.15	2.00	.....	.....	1.02	.....	9.69	10.00	18.70	18.00
33306	1½-9-0	Baltimore	1.42	1.50	.....	.....	1.32	.....	8.59	9.00	14.80	15.00
33106	5-7-0	Baltimore	4.79	5.00	.....	.....	.95	.....	8.26	7.00	27.80	27.00
33257	4-8-0	Baltimore	3.57	4.00	.....	.....	2.12	.....	7.68	8.00	22.81	24.00
33099	4-8-2	Baltimore	3.65	4.00	1.82	2.00	.95	.....	8.37	8.00	34.27	36.00
33077	4-10-0	Baltimore	4.04	4.00	.....	.....	1.40	.....	10.36	10.00	27.08	26.00
33178	General	Baltimore	2.10	2.00	1.76	2.00	1.72	.....	8.07	8.00	27.72	28.00
33276	Grain Grower	Baltimore	2.05	2.00	1.70	2.00	1.50	.....	8.03	8.00	27.03	28.00
33197	Ground Tankage	Chestertown	7.74	8.00	.....	.....	* 9.29	* 9.15	.....	.....	$36.53	$37.49

33197	Ground Tankage	Chestertown	7.74	8.00			* 9.29	* 9.15			$36.53	$37.49
33198	Pure Ground Fish	Pocomoke City	9.72	10.00			* 8.97	* 6.87			44.26	44.12
33384	Raw Bone Meal	Baltimore	4.85	4.50			*23.19	*21.50			33.31	30.90
33078	7—7—0	Baltimore	6.59	7.00			1.35		7.37	7.00	34.27	35.00
33028	7—8—0	Baltimore	7.06	7.00			1.25		8.02	8.00	36.76	36.00
33008	3—8—1	Baltimore	3.02	3.00	1.26	1.00	1.30		7.79	8.00	27.95	26.00
33307	3—10—0	Baltimore	2.73	3.00			.82		10.53	10.00	21.78	22.00
33159	3—8—2	Baltimore	2.87	3.00	1.76	2.00	1.38		8.25	8.00	30.84	32.00
33025	Star Phosphate	Baltimore					.45		13.85	14.00	13.94	14.00
33309	Tomato Grower	Baltimore	1.81	2.00	1.80	2.00	1.80		8.13	8.00	26.89	28.00
33179	Tomato Grower No. 2	Baltimore	2.20	2.00	1.56	1.00	1.85		8.03	8.00	26.93	22.00
33353	2—8—0	Baltimore	1.91	2.00			1.27		8.13	8.00	16.28	16.00
33445	2—8—1	Baltimore	2.08	2.00	1.08	1.00	2.35		8.27	8.00	24.01	22.00
33308	2—10—0	Baltimore	2.05	2.00			1.32		9.42	10.00	18.15	18.00
33091	2—11—0	Baltimore	2.05	2.00			1.17		11.50	11.00	20.17	19.00
33378	2—12—0	Baltimore	1.93	2.00			1.12		12.09	12.00	20.26	20.00
33180	Wht., Corn & Oats Spec. (L. G.)	Baltimore	1.06	1.00	1.10	1.00	.65		6.91	7.00	18.01	17.00
	Baltimore Fertilizer Co., Balto., Md.											
33117	Honest Acid Phosphate	Baltimore					.18		14.29	14.00	14.33	14.00
33391	Honest Acid Phosphate	Baltimore					.57	1.00	15.67	16.00	15.78	16.20
33171	Honest Ammoniated Bone	Baltimore	1.79	2.00			2.45		9.23	9.00	17.37	17.00
33233	Honest Corn Grower	Baltimore	1.38	1.00			1.57	1.00	10.59	10.00	16.74	14.40
33291	Honest Harvest (Low Grade)	Baltimore	1.28	1.25	.27	.25	1.62	1.00	7.23	9.00	14.62	15.90
33241	Honest Potato Grower (L. Gr.)	Baltimore	2.88	2.00	.56	.50	2.40	1.00	7.64	8.00	23.48	19.40
33015	Honest 7% Guano	Baltimore	6.25	7.00			.52		6.73	6.00	31.94	34.00
33009	Honest Pot. & Tob. Gro. (L. G.)	Baltimore	3.38	3.00	.55	.50	.40		7.94	8.00	24.92	23.00
33010	Honest 10% Tob. Bed Mixture	Baltimore	10.07	10.00			.45		4.06	4.00	44.52	44.00
33172	Honest Trucker	Baltimore	4.08	5.00	1.02	1.00	1.20		8.52	8.00	31.44	34.00
33433	Old Honesty (Low Grade)		1.08	1.00	.46	.25	2.22		7.90	8.00	15.87	13.50
	Baltimore Pulverizing Co., Balto., Md.											
33073	Blood, Bone & Potash Mixture	Baltimore	4.39	3.00	1.28	1.00	1.02		7.51	8.00	33.16	26.00
33136	Corn & Grain Grower (L. Gr.)	Baltimore			1.44	1.00	2.75		8.12	12.00	17.31	18.00
33137	Farmers' Fav. Fert. (L. Gr.)	Baltimore	.92	1.00	1.14	1.00	1.65		7.44	7.50	18.62	17.50
33048	High Grade Potato Guano	Baltimore	2.83	2.00			.58		10.01	10.00	21 56	18.00
33138	7% Potato Guano	Baltimore	6.72	7.00			.55		6.30	6.00	33.40	34.00
33049	Special Strawberry Compound	Baltimore	4.02	4.00	1.42	1.00	.50		7.10	7 00	31.90	29.00
33429	Truckers' Choice	Baltimore	2.95	3.00	1.38	1.00	1.30		8 22	8.00	28.82	26.00

*Total Phosphoric Acid.

No.	Name and Address of Manufacturer and Name of Fertilizer	Place of Sampling (and Senders initials when not Sampled by the College Agent.)	NITROGEN Calculated as AMMONIA.		POTASH. K_2O.		PHOSPHORIC ACID.				Comparative Value Per Ton Found.	Comparative Value Per Ton Guaranteed.
							Insoluble.		Available.			
			Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.		
	Baugh & Sons Co., Baltimore, Md.											
33434	Acid Phosphate 16%	Baltimore	.....	.....	.....	.....	.37	.....	16.59	16.00	$16.66	$16.00
33082	Accomac Special	Baltimore	6.45	7.00	.....	.....	1.27	.....	7.23	6.00	33.54	34.00
33083	Ammon'd Sol. Alk. (L. Gr.)	Baltimore	.60	.50	.66	.50	1.27	.....	9.63	8.00	16.50	13.00
33214	Ammoniated Super Phosphate	Baltimore	1.42	1.25	.....	.....	1.65	.....	10.15	10.00	16.49	15.00
33249	Animal Base & Pot. Compound	Baltimore	2.06	2.00	1.02	1.00	1.52	.....	8.62	9.00	23.59	23.00
33365	Agricultural Salt	Mt. Airy	.....	.....	2.92	1.00	.....	.....	.....	.....	.....	.....
33247	Complete Animal Base Fert	Baltimore	1.88	2.00	1.02	1.00	1.23	.....	9.45	10.00	23.58	24.00
33800	Corn & Oats Fertilizer	.....	2.01	2.00	.....	.....	1.80	.....	9.60	10.00	18.36	18.00
33283	Dissolved Animal Base	Monrovia	2.03	2.00	.....	.....	1.12	.....	11.90	12.00	20.47	20.00
33035	Double Eagle Phosphate	Baltimore	2.05	2.00	1.07	1.00	1.80	.....	8.11	8.50	23.45	22.50
33415	Durable Plant Food	Baltimore	2.01	2.00	2.06	2.00	1.22	.....	8.52	8.00	29.41	28.00
33051	Excelsior Guano	Baltimore	2.27	1.25	1.22	1.00	3.22	.....	9.53	10.00	27.22	21.00
33065	Export Bone with Potash	Baltimore	3.02	2 00	1.10	1.00	*13.50	*11.00	.....	.....	26.78	20.60
33185	Fine Ground Bone	Baltimore	4.16	3.00	.....	.....	*17.14	*16.49	.....	.....	26.92	21.89
33403	Fish Bone & Potash	Baltimore	1.69	1.25	2.28	2.00	1.42	.....	7.89	8.00	28.90	25.00
33032	Fish Mixture	Baltimore	2.27	2.00	1.02	1.00	2.37	.....	9.11	9.00	25.26	23.00
33085	General Crop Grower	Baltimore	1.06	1.00	1.12	1.00	2.00	.....	8.04	8.00	21.80	18 00
33036	Grand Rapids H. G. Guano	Baltimore	3.04	3.00	1.08	1.00	3.77	.....	8.06	9.00	28.21	27.00
33399	Ground Fish	Baltimore	9.66	10.00	.....	.....	* 6.58	* 6.87	.....	.....	42.59	44.12
33234	Half & Half Mixture	Baltimore	1.64	1.50	.....	.....	*19.05	*19.00	.....	.....	17.99	17.40
33125	H. G. Acid Phosphate	Baltimore	.....	.....	.....	.....	1.30	.....	14.35	14.00	14.61	14.00
33127	H. G. Ammon'd Animal Base	Baltimore	3.81	4.00	.....	.....	.73	.....	10.67	10.00	26.20	26.00
33801	Norfolk Special Guano	Baltimore	6.83	7.00	.....	.....	.82	.....	8.31	8.00	$35.96	$36.00

33801	Norfolk Special Guano	Baltimore	6.83	7.00	.....	.....	.82	.....	8.31	8.00	$35.96	$36.00
33139	Old Stand-By Dis. Ani. Base	Baltimore	2.10	2.00	.....	.....	1.32	.....	11.46	12.00	20.39	20.00
33067	Peninsula Grain Producer	Baltimore	1.40	1.00	.....	.....	2.75	.....	9.02	9.00	15.72	13.00
33435	Peruvian Guano Substitute	Baltimore	4.47	5.00	1.08	1.00	1.57	.....	8.39	8.00	33.38	34.00
33003	10% Peruvian Guano	Baltimore	10.13	10.00	.....	.....	.....	.....	.....	.....	40.52	40 00
33068	Potato & Truck Special	Baltimore	3.58	3.50	1.04	1.00	1.15	.....	10.01	10.00	31 03	30.00
33004	Pure Dissolved Animal Bones	Baltimore	2.56	2.50	.....	.....	1.60	.....	13.38	13.00	24.26	23.00
33262	Pure Steamed Bone	Baltimore	2.68	2.00	.....	.....	*19.37	*25.00	.....	.....	22.34	23.00
33333	Raw Bone Meal	Smithsburg	4.64	4.50	.....	.....	*20.67	*21.50	.....	.....	30.96	30.90
33284	Special Potato Manure	Monrovia	2.01	2.00	1.16	1.00	1.45	.....	10.09	10.00	25.67	24.00
33033	Strawberry Top Dressing	Baltimore	5.22	5.00	.....	.....	1.85	.....	9.15	8.00	30.77	28.00
33133	Sweet Potato Guano	Baltimore	2.05	2.00	3.22	3.00	2.05	.....	7.72	8.00	36.06	34.00
33069	Tomato Compound	Baltimore	2 17	2.00	1.02	1.00	4.35	.....	8.55	10.00	25.09	24.00
33799	Truckers Favorite	.....	2.82	3.00	.....	.....	1 32	.....	10.08	10.00	21 89	22.00
33424	Valley Special	Baltimore	1.28	1.25	1.10	1.00	1.57	.....	11.39	12.00	23.74	23.00
	R. P. Beckley, Half Way, Md.											
33334	Bone Mixture	Halfway	1.77	1.50	.....	.....	.72	.....	14.02	14.00	21.39	20.00
	N. T. Bennett, New Windsor, Md.											
33335	Wheat Grower	New Windsor	1.01	1.00	2.02	2.00	.70	.....	8.56	8.00	25.00	24.00
	Berg Company, Philadelphia, Pa.											
33263	Animal Bone & Meat	Providence	3.81	4 00	.....	.....	*17 09	*17.00	.....	.....	25.49	26.20
33453	New Standard Bone Manure	Parkville (H. R.)	3 72	3.64	1.86	1.25	3.58	.....	9.33	8.00	36.80	30.06
33450	Raw Bone Fine	Benson (G. L. S.)	3.46	3.64	.....	.....	*20.15	*22.00	.....	.....	26.01	27.76
	W. H. Bixler, Hagerstown, Md.											
33337	Bone Phosphate	Hagerstown	2.20	2.00	.....	.....	5.92	4.00	10.37	8.00	21.54	17.60
	Bowker Fertilizer Co., Boston, Mass.											
33405	Potato Phosphate 1916	Laurel	2.03	2.00	1.02	1.00	1.22	.....	11.12	10.00	25.85	24.00
33052	7-8-1 Fertilizer	Baltimore	6.65	7.00	1.06	1.00	1.30	.....	8.50	8.00	41.98	42.00
33346	2¼-9-1 Fertilizer	Baltimore	2.35	2.25	1.05	1.00	2.38	.....	9.42	9.00	26.07	24.00
33406	Super Phos. with Ammonia 2%	Laurel	2.06	2.00	.....	.....	1.85	.....	10.15	10.00	19.13	18.00
	Bryant Fertilizer Co., Alexandria, Va.											
33370	Acid Phosphate 16%	Baltimore	.....	.....	.....	.....	1.05	.....	16.01	16.00	16.22	16.00
33348	Ammoniated Dissolved Bone	Baltimore	3.07	3 00	1.02	1.00	1.15	1.00	7.62	8.00	26.48	26.40
33412	4-8-0 Ammoniated Super Phos	Baltimore	3.60	4.00	.....	.....	2.60	1.00	8.62	8.00	24.06	24.40
33235	Tomato Super Phosphate	Baltimore	1.69	2.00	.68	1.00	1.12	1.00	8 79	9.00	20.08	23.40
33410	Special Wheat Mixture	Baltimore	.94	1.00	3.12	2.00	.72	.....	9.18	9.00	31.95	25.00

*Total Phosphoric Acid.

No.	Name and Address of Manufacturer and Name of Fertilizer	Place of Sampling (and Senders initials when not Sampled by the College Agent.)	NITROGEN Calculated as AMMONIA.		POTASH. K_2O.		PHOSPHORIC ACID.				Comparative Value Per Ton Found.	Comparative Value Per Ton Guaranteed.
							Insoluble.		Available.			
			Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.		
	Herbert Bryant's Son, Alexandria, Va.											
33411	A. H. B. Standard Fish & Bone	Laurel	1.72	2.00	.....	.....	.97	.....	10.74	10.00	$18.01	$18.00
33380	Economy Compound (L. Gr.)	Silver Spring	.....	.....	.....	.....	1.45	.....	11.14	11.00	11.43	11.00
33381	Standard Corn King	Dickerson	1.37	1.25	.....	.....	1.07	.....	10.73	10.00	16.64	15.00
	Chesapeake Chemical Co., Balto., Md.											
33292	Buyers Favorite	Baltimore	1.50	1.00	.....	.....	1.70	.....	10.13	10.00	16.81	14.00
33259	Buyers Mixture 2-8	Baltimore	2.44	2.00	.....	.....	2.35	.....	7.50	8.00	18 20	16.00
33258	Buyers Mixture 4-10	Baltimore	4 13	4.00	.....	.....	.65	.....	10.11	10.00	26.89	26.00
33436	Champion Producer	Baltimore	4.57	5.00	.94	1.00	1.17	.....	8.11	6.00	32.50	32.00
33252	Dissolved Phosphate 14%	Baltimore	.....	.....	.....	.....	1.18	.....	14.44	14.00	14.68	14.00
33181	Dissolved Phosphate 16%	Baltimore	.....	.....	.....	.....	.48	.....	15.78	16.00	15.88	16.00
33054	Dissolved Phosphate (L. Gr.)	Baltimore	.....	.....	.....	.....	1.50	....	12.61	12.00	12.91	12.00
33182	Favorite Producer	Baltimore	2.90	3.00	.....	.....	.68	.....	11.23	10.00	23.10	22.00
33222	Granger Phosphate	Baltimore	1.71	2.00	.....	.....	2.40	1.00	9.12	10.00	16.92	18.40
33392	Potash Compound (Low Grade)	Baltimore	2.17	2.00	.54	.50	1.95	.....	9.05	10.00	21.75	21.00
	Cen. Chem. Co., Thomas Fert. Works, Hagerstown, Md.											
33285	Dissolved Phosphate	Myersville	.....	.....	.....	.....	.42	.....	14.74	14.00	14.82	14.00
33339	Fish Bone Compound	Williamsport	1.66	1.50	.....	.....	.45	.....	10 74	10.00	17.56	16.00
33356	Golden Sheaf	Boonsboro	1.26	1.00	1.04	1.00	.92	.....	8.05	8.00	19.70	18.00
33340	Planters Mixture	Hagerstown	2.18	2.00	1.03	1.00	1.00	.....	10.12	10.00	25.72	24.00
33286	Pride of the Valley	Myersville	.94	1.00	.....	.....	.72	.....	10.88	10.00	14.93	14 00
33341	Special Bone Mixture	Chewsville	1.93	2 00	.....	.....	.75	.....	10.25	10.00	18.27	18.00
33357	Truck Special	Boonsboro	2.75	3.00	.....	.....	.62	.....	11.18	10.00	22.43	22.00

	Coe-Mortimer Co., New York, N. Y.											
33407	Columbian Corn & Potato Spec..	Laurel.....	1.51	1.50	2.04	2.00	1.77	.....	8.54	9.00	$27.53	$27.00
33408	Penna. No. 1 Grain Special.....	Laurel.....	1.03	1.00	3.22	3.00	1.45	.....	7.79	8.00	31.81	30.00
	Josiah Cope & Co., Baltimore, Md.											
33326	Acidulated Phosphate	Baltimore.....	.....	.....	.....	.....	1.12	.....	13.90	14.00	14.12	14.00
33287	Ammoniated Fertilizer "A"....	Baltimore.....	.70	1.00	.....	.....	1.65	.....	11.42	10.00	14.88	14.00
33102	Ammoniated Fertilizer "AA"..	Baltimore.....	2.02	2.00	.....	.....	1.50	.....	10.05	10.00	18.73	18.00
33393	Ammoniated Fertilizer "AAA"	Baltimore.....	2.87	3.00	.....	.. ..	1.80	.....	9.91	10.00	22.11	22.00
33229	5-8-0 Fertilizer.....	Baltimore.....	4.50	5.00	.....	.....	1.52	.....	8.04	8.00	26 65	28.00
33103	Special Ammoniated Mix. 1916..	Baltimore.....	1.91	2.00	.84	1.00	1.88	.....	9 85	9.00	23.28	23.00
33224	Wheat & Grass Special.....	Baltimore.....	.90	1.00	1.02	1.00	1.18	.....	8.34	8.00	18.53	18.00
	Columbia Guano Co., Balto., Md.											
33294	De Luxe Ammon'd Super Phos.	Baltimore.....	2.66	2.50	.....	.....	.68	.....	12 02	12 00	$22.93	$22.00
33295	Miracle Ammon'd Super Phos...	Baltimore.....	2.25	2.00	.....	.....	.58	.....	10.58	10.00	19.81	18.00
	L. E. P. Dennis & Son, Crisfield, Md.											
33199	Acid Phosphate 14%.....	Princess Anne.....	.....	.....	.....	.....	.65	.....	15.16	14 00	15.29	14.00
33200	Klondike Fish Mixture.....	East New Market..	1.14	1.00	.....	.....	1.88	.....	8 35	9.00	13.66	13.00
33201	No. 1 Fish Mixture.....	Federalsburg	2 95	3.00	.....	.....	1.55	.....	7.26	7.00	19.68	19.00
33202	No. 2 Fish Mixture.....	Princess Anne.....	2.08	2.00	.....	.....	.92	.....	8.45	8.00	17.14	16 00
33203	Spec. Round Potato Mixture....	Pocomoke City.....	4.02	5.00	.....	.....	.80	.....	7.90	7.00	24 30	27.00
	Edelen Brothers, Baltimore, Md.											
33385	High Grade Tobacco Fertilizer..	Baltimore.....	4.03	4.00	1.34	1.00	1.02	.....	6.17	6 00	30.74	28.00
33386	Special Tobacco Guano.....	Baltimore.....	2.87	3.00	.96	1.00	.72	.....	10 02	8.00	27.55	26.00
33371	Special Wheat & Grain Mixture	Baltimore.....	1.77	1.00	1.24	1.00	.70	.....	10.46	9.00	25 26	19.00
	John A. Englar, Linwood, Md.											
33342	No. 2 Ammoniated Bone.....	Linwood.....	.90	1.00	1.10	1.00	1.22	.....	8.18	8.00	18.87	18.00
	Eureka Chemical Co., Balto., Md.											
33280	Economy (Low Grade).....	Perryman.....	.96	.75	.....	.....	.45	.50	6.88	7.00	10.90	10.20
33281	Fish & Potash (Low Grade)....	Perryman.....	.75	.50	.44	.25	.68	.30	8.12	8.00	14.03	11.62
	Eureka Fertilizer Co., Perryville, Md.											
33279	Dissolved Bone.....	Perryman.....	2.20	3.00	.....	.....	1.10	.....	12.38	11.00	21.62	23.00
	W. S. Farmer & Co., Balto., Md.											
33273	Ammoniated Fertilizer "AA"..	Baltimore.....	2.02	2.00	.....	.....	2.78	.....	9.18	10.00	18.37	18.00
33089	Ammoniated Fertilizer "AAA"	Baltimore.....	2.85	3.00	.....	.....	1.70	.....	9.74	10.00	21.82	22.00

No.	Name and Address of Manufacturer and Name of Fertilizer	Place of Sampling (and Senders initials when not Sampled by the College Agent.)	NITROGEN Calculated as AMMONIA.		POTASH. K_2O.		PHOSPHORIC ACID.				Comparative Value Per Ton Found.	Comparative Value Per Ton Guaranteed.
							Insoluble.		Available.			
			Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.		
	W. S. Farmer & Co., Balto., Md.											
33005	Anne Arundel Trucker	Baltimore	4.61	5.00	1.22	1.00	.95	.....	8 61	8 00	34.75	34.00
33269	Cereal Crop Grower (L. Gr.)	Baltimore	1.38	1.00	1.03	1.00	1.18	.....	7.62	7.00	19.79	17.00
33260	Clyde Brand 1916	Baltimore	1.08	1.00	1.02	1.00	1.25	.....	9.03	8.00	19.97	18.00
33376	Dissolved S. C. Phosphate	Baltimore	.....	.....	...	.....	.50	.....	14.24	14.00	14.34	14 00
33210	Fish Compound	Baltimore	2.30	2.00	.90	1.00	.55	.....	10.29	9.00	25.11	23.00
33245	General Crop Grower (L. Gr.)	Baltimore	1.04	1.00	.90	1.00	1.70	.....	8.20	7.00	18.44	17.00
33274	Harvest Queen 1916	Baltimore	1.54	1.50	.86	1 00	1.18	.....	10 82	10.00	22.61	22.00
33304	H. G. Super Phosphate	Baltimore	.....	....	.....	.....	.68	.....	16.59	16.00	16.73	16.00
33261	Pelican Guano 1916 (L. Gr.)	Baltimore	.70	.50	.96	1.00	1.78	.....	8.01	8 00	17.28	16.00
33059	7-6-0 Fertilizer	Baltimore	6.59	7.00	.....	..	2.07	.....	7.06	6.00	34.26	34.00
33256	Standard Phosphate 1916	Baltimore	2.53	2 50	1.04	1 00	1 62	.....	10.70	10.00	27.71	26.00
	Farmers' Fertilizer & Feed Co., We	**stminster, Md.**										
33358	Corroll Bone Phos. (L. Gr.)	Westminster	.97	.75	.....	.....	.98	1.00	7.44	7.00	11.71	10.40
33359	High Grade Phosphate	Westminster	1.91	2.00	.....	.....	1.85	1.00	11.73	11.00	20.11	19.40
33360	No. 3 Bone Phos. (L. Gr.)	Westminster	1.52	1.00	.....	.....	1.58	1.00	8.73	8.00	15.44	12.40
33343	XX Bone Phosphate	New Windsor	.92	1.00	.....	.....	1.08	1.00	9.63	9.00	13.74	13.40
	Farmers & Planters Co., Salisbury,	**Md.**										
33150	Acid Phosphate 16%	Whaleyville	.....	.....	.....	.....	.88	.....	16.01	16.00	16.19	16.00
33455	Acid Phosphate 16%	Vienna (J. W. T. W.)	.....	.....	.....	.....	.88	.....	16 62	16.00	16.80	16.00
33204	Early Vegetable Mix. (L. Gr.)	Princess Anne	5.10	5.00	.52	.33	1.30	.....	8.02	8.00	32.06	29.98
33313	Fish Mixture	Princess Anne	2.39	2.00	.....	.....	1.32	.....	7.85	8 00	17.94	16.00
33205	General Crop Grower	Princess Anne	1.76	1.00	.....	.....	2.00	.....	10.24	11.00	18.08	15.00

33314	7% Mixture (Low Grade)	Princess Anne	6.16	7.00	.34	.33	1 25		7.41	6.00	$34 59	$35.98
33151	Special Fish Mixture	Berlin	2.71	2.50			2.58		8.39	9.00	20.26	19.00
33441	Peerless (Low Grade)	Salisbury	.87	.50			1.95		8 86	10.00	13.12	12.00
33316	Rock 16%	Salisbury					.90		16.32	16.00	16.50	16.00
33317	Special Fish Mixture	Salisbury	2.54	2.50			2.20		10.55	9.00	21.59	19.00
33318	Trucker's Mixture	Berlin	3.69	3.50			1.12		9.75	9.00	24.96	23.00
	Griffith & Boyd Co., Balto., Md.											
33404	Ammoniated Bone Phosphate	Baltimore	1.72	2.00	1.02	1.00	.52		8.04	8.00	21.25	22.00
33183	Animal Bone with Potash	Baltimore	2.02	2.00	.82	1.00	1.12		9.83	9.00	23.28	23.00
33194	Blood & Bone Mixture	Baltimore	3.23	4.00			.55		9.38	9.00	22.52	25.00
33254	Cereal Mixture (Low Grade)	Baltimore	1.16	1.00			2.08		9.32	8.00	14.79	12.00
33236	Dissolved Aminal Bone	Baltimore	2.37	2.50			1.68		11.42	10.00	21.57	20.00
33055	Farmers Bone Mixture	Baltimore	1.76	2.00			1.35		9.07	9.00	16.65	17.00
33166	Farmers Potato & Tomato	Baltimore	1.62	1.50	.70	1.00	1.62		8.61	8.00	19.94	20.00
33011	Fish & Bone Mixture (L. Gr.)	Baltimore	1.66	1.75			.70		8.50	7.00	15.42	14.00
33012	Fish, Bone & Potash (L. Gr.)	Baltimore	2.17	1.75	1.02	1.00	2.67		7.93	7.00	23.80	20.00
33095	Harvest Queen Phosphate	Baltimore	1.13	1.00	.84	1.00	1.62		9.50	9.00	19.71	19.00
33209	High Grade Acid Phosphate	Baltimore					1.25		14.69	14.00	14.94	14.00
33107	High Grade Acid Phosphate	Baltimore					.23		16.59	16.00	16.64	16.00
33013	Peerless Mixture (Low Grade)	Baltimore	.61	.50			1.40		8.56	8.00	11.56	10.00
33456	Peerless Mixture (Low Grade)	Willards (C. A. S.)	.75	.50			.55		9.89	8.00	13.11	10.00
33388	Tomato & Potato	Leslie	1.51	1.50	.82	1.00	1.57		8.76	8.00	20.35	20.00
33372	Queen Guano	Baltimore	1.08	1.00			1.42		10.93	9.00	15.82	13.00
33421	Soft Ground Bone Meal	Baltimore	2.93	3.00			*11.68	*11.00			18.72	18.60
33119	Special Blood & Bone	Baltimore	3.81	5.00			.82		9.67	9.00	25.24	29.00
33238	Special Fish Mixture	Baltimore	3.11	2.50			.40		8.57	8.00	21.17	18.00
33056	Special 7% Guano	Baltimore	6.59	7.00			.57		6.19	6.00	32.78	34 00
33184	Special Royal Guano	Baltimore	1.16	1.00	.78	1.00	2.82		10.15	8.00	20.60	18.00
33255	Spring Crop Grower (L. Gr.)	Baltimere	1 77	2.00	1 14	1.00	1.68		7.41	6.50	22.00	20.50
33060	Trucker's Manure Sub. (L. Gr.)	Baltimore	3.34	3.50			1.40		6.70	5.00	20.62	19.00
33123	Trucker's Manure Sub. (L. Gr.)	Baltimore	2.75	3.50			1.32		6.81	5.00	18.34	19.00
33387	Valley Fertilizer (Low Grade)	Baltimore	1.16	.75	.82	1.00	1.75		8.82	8.00	19.08	17.00
33354	Vegetable Bone	Baltimore	2.61	3.00	.60	1.00	1.48		9.04	8.00	23.67	26.00
	Griffith & Turner Co., Balto., Md.											
33075	Am'on'd Alk. Pl't Food (L. Gr.)	Baltimore	1.21	1.00	1.32	1.50	2.12		7.44	6.50	21.05	19.50
33250	Animal Bone Phosphate	Baltimore	3.11	2.50	1.66	1.00	.55		7.82	10.00	30.44	26.00

*Total Phosphoric Acid.

No.	Name and Address of Manufacturer and Name of Fertilizer	Place of Sampling (and Senders initials when not Sampled by the College Agent.)	NITROGEN Calculated as AMMONIA.		POTASH. K_2O.		PHOSPHORIC ACID.				Comparative Value Per Ton Found.	Comparative Value Per Ton Guaranteed.
							Insoluble.		Available.			
			Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.		
	Hampstead Fertilizer Co., Hampstead, Md.											
33361	Honesty (Low Grade)	Hampstead	1.33	1.00	.66	.50	1.57	.....	7.07	8.00	$16.98	$15.00
33362	1-12-¼ (Low Grade)	Hampstead	1.16	1.00	.64	.25	1.25	.....	11.09	12.00	20.07	17.50
33363	2-10	Hampstead	2.12	2.00	.....	.....	1.92	.....	10.11	10.00	19.36	18.00
	S. M. Hess & Bro., Philadelphia, Pa.											
33167	Big Crop Fertilizer 1916	Baltimore	2.01	2.00	1.16	1.00	1.62	.....	10 35	10.00	26.00	24.00
33042	Fish & Potash Manure 1916	Baltimore	1.88	2.00	.80	1.00	1.88	.....	10 42	9.00	23.29	23.00
33016	High Grade Acid Phosphate	Baltimore	.....	.....	.....		.75	.....	14.07	14.00	14 22	14.00
33017	Keystone Phosphate	Baltimore	1.52	1.00	1.08	1.00	1.90	.....	8.65	8.00	21.97	18.00
33018	Market Gardener's Manure	Baltimore	5.02	5.00	.....	....	1.20	.....	8.70	8.00	29.26	28.00
33043	Potato Manure 1916	Baltimore	3.09	3.00	.80	1.00	1.70	.....	9.65	9.00	27.49	27.00
33019	Reliable Super Phosphate	Baltimore	2.66	3.00	.....	.....	1.32	.....	10.35	10.00	21.52	22.00
33104	Special H. G. Acid Phosphate	Baltimore	.....	.....	.....	.....	.72	.....	16.02	16.00	16 16	16.00
33173	Special Corn Manure	Baltimore	1.08	1.00	1.02	1.00	1.95	.....	9.10	9.00	20.32	19.00
33020	Special Potato Manure 1916	Baltimore	4.30	4.50	1.12	1.00	1.37	.....	8.67	8.00	33.14	32.00
33097	Superior Super Phosphate	Baltimore	2.06	2 00	.....	.....	2.47	.....	9.12	10.00	18.35	18.00
33225	Wheat & Grass Manure	Baltimore	1.13	1.00	.96	1.00	1.75	.....	9.57	9.00	20.55	19.00
	William H. Hood, Mt. Airy, Md.											
33364	Special Mixture	Mt. Airy	1.25	1.00	.....	.....	2.88	.....	10.89	9.00	17.08	13.00
	Horsey, Roe & Co., Greensboro, Md.											
33319	Acid Phosphate 16%	Greensboro	.....	.....	.....	.....	.38	.....	16.36	16.00	16.44	16.00
33206	Special Pea Fertillzer	Greensboro	2.85	3.00	.....	.....	1.32	.....	12.20	12.00	24.13	24.00

33320	2-10	Greensboro	2.29	2.00			1.82		10.37	10.00	$20.26	$18.00
	Hubbard Fertilizer Co., Balto., Md.											
33021	Ammoniated Fertilizer	Baltimore	3.41	3.00			1.12		10.25	10.00	24.34	22.00
33418	Celebrated Rapid Trucker	Baltimore	4 78	5.00	1.02	1.00	1.02		6.89	6.00	32.54	32 00
33447	Columbia Phosphate (L. Gr.)	Baltimore	1.31	1.00	.73	.50	3.12		8.07	8.00	18.94	15.00
33124	Crop Maker	Baltimore	1.08	1 25			.92		10.49	10.00	15.18	15.00
33071	Crop Producer	Baltimore	4.33	5.00			1.10		8.46	7.00	26 22	27.00
33096	Dissolved Bone	Baltimore	2.34	2.50			1.10		11.54	10.00	21.34	20.00
33325	Farmers Phosphate (Low Gr.)	Baltimore	.87	1.00	.36	.25	2.18		8.29	7.00	14.80	12.50
33134	Fish Mixture (Low Grade)	Baltimore	3.24	3.00	.53	.50	2.30		8.04	8.00	25.10	23.00
33242	National Compound (Low Gr.)	Baltimore	1.91	2.00	.44	.50	2.55		9.04	10.00	20.34	21.00
33070	Oriental Guano	Baltimore	1.01	1.00			1.22		10.02	10.00	14.55	14.00
33437	Phosphate 14%	Baltimore					.82		14.40	14.00	14.56	14.00
33446	Phosphate 16%						.50		15.82	16.00	15.92	16.00
33296	Phosphate 12% (Low Grade)	Baltimore					1.32		11 94	12.00	12.20	12.00
33087	Special Guano	Baltimore	6.76	7.00			.65		9.07	9 00	36.37	37.00
	M. P. Hubbard & Co., Inc., Balto., Md.											
33141	Atlas Guano	Baltimore	1.35	1.00			1.17		12.27	12.00	18.14	16.00
33144	Big Crop Compound	Baltimore	4.18	4.00			1.20		8.09	8.00	25.29	24.00
33297	Big Jim Compound (Low Gr.)	Baltimore	.51	.50	1.04	1.00	3.48		8.40	8.00	18.07	16.00
33100	Celebrated Phosphate	Baltimore	2.13	2 00	2.02	2.00	.72		8.37	8.00	29.30	28.00
33022	Dissolved Phosphate	Baltimore					.47		15.82	16.00	15.91	16.00
33135	Domino Compound	Baltimore	2.34	2.00	.80	1.00	.60		9 03	8.00	23.43	22.00
33373	Everybody's Formula	Baltimore	2 95	3.00			.98		9.01	9.00	21.20	21.00
33161	Ever Ready Mixture (Low Gr.)	Baltimore	2.70	2.25	.64	.25	1.22		8.15	8.00	23.28	18.50
33101	Farmers Friend	Baltimore	4.13	4.00	1.48	1.00	.68		7.85	8.00	33.52	30.00
33265	Fish Mixture	Baltimore	5.10	5.00			1.55		8.60	8.00	29.62	28.00
33108	Fish & Potash Mixture (L. Gr.)	Baltimore	.49	.25	1.22	1.00	.92		7.37	7.00	17.02	14.00
33310	Good & Cheap Compound	Baltimore	1.14	1.00	1.15	1.00	1.05		8.39	8.00	20.27	18.00
33079	Great Harvest	Baltimore	2.29	2.00			1.08		9.52	10.00	19.41	18.00
33390	Havana Special Revised 1916	Baltimore	2.85	3.00	1.56	1.00	.65		8.75	8.00	29.77	26.00
33303	Havana Special Revised 1916	Baltimore	2.61	3.00	1.12	1.00	1.08		9.92	8.00	27.51	26.00
33228	Maryland Special Revised	Baltimore	4.01	5.00	2.78	2.00	1.12		8.32	7.00	41.49	39.00
33080	Queen Mixture	Baltimore	5.10	5.00			.95		6.54	7.00	27.32	27.00
33216	Phosphate 12% (Low Grade)	Baltimore					1.20		13.15	12.00	13.39	12.00
33270	Slaughter House Formula	Baltimore	2.06	2 00			1.08		13.02	13.00	21.69	21.00
33066	Soluble Phosphate	Baltimore					1.40	1.00	13.47	14.00	13.75	14.20
33266	Union Jack	Baltimore	2.34	2.00			1.48		8.28	8.00	18.23	16.00

No.	Name and Address of Manufacturer and Name of Fertilizer	Place of Sampling (and Senders initials when not Sampled by the College Agent.)	NITROGEN Calculated as AMMONIA.		POTASH. K_2O.		PHOSPHORIC ACID.				Comparative Value Per Ton Found.	Comparative Value Per Ton Guaranteed.
							Insoluble.		Available.			
			Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.		
	Huston, Darbee & Co., Seaford, Del.											
33321	Fish Mixture	Hurlock	2.08	2.00	.....	.....	1.42	.....	9.58	8.00	$18.47	$16.00
33322	Truck Guano	Hurlock	3.67	4.00	.....	.....	1.47	.....	8.62	9.00	23.89	25.00
33323	Trucker	Hurlock	2.83	3.00	.....	.....	1.28	.....	9.24	9.00	21.07	21.00
	Lancaster Chemical Co., Lancaster, Pa.											
33678	Acid Phosphate	Rising Sun	.....	.....	.....	.....	.62	.....	13.21	14.00	13.33	14.00
33679	Wheat & Grass	Rising Sun	1.01	1.00	.....	.....	1.38	1.00	9.03	10.00	13.62	14.40
	Lister's Agricultural Chemical Works, Newark, N. J.											
33211	Atlas Brand Fertilizer	Baltimore	4.42	5.00	.....	.....	1.68	.....	8.31	8.00	26.66	28.00
33120	Bone Meal	Baltimore	3.04	3.00	.....	.....	*23.43	*22.88	.....	.....	26.22	25.73
33188	Buyer's Choice Acid Phos	Baltimore	.....	.....	.....	.....	.88	.....	14.31	14.00	14.49	14.00
33329	Cel. Gr. Bone & Tank Acidul'd.	Baltimore	3.87	3.25	.....	.....	*12.85	*12.00	.....	.....	23.19	20.20
33121	Corn & Potato Fertilizer 1916.	Baltimore	2.61	2.50	.90	1.00	1.22	.....	9.43	8.00	25.76	24.00
33129	Cres. Amm'd. Super Phos. 1916.	Baltimore	2.10	2.00	.....	.....	2.02	.....	9.78	10.00	18.99	18.00
33298	Cres. Amm'd. Super Phos. 1916.	Baltimore	2.05	2.00	.....	.....	2.55	.....	9.41	10.00	18.63	18.00
33538	Excelsior Ammoniated Phos	Baltimore	2.70	3.00	.....	.....	1.57	.....	10.26	10.00	21.69	22.00
33122	Golden Sheaf 1916 (Low Gr.)	Baltimore	1.11	.50	.82	1.00	1.57	.....	9.19	8.00	19.18	16.00
33189	Harvest Queen Phosphate 1916.	Baltimore	1.43	1.50	.84	1.00	1.38	.....	10.97	10.00	22.28	22.00
33154	High Grade Acid Phosphate	Baltimore	.....	.....	.....	.....	.42	.....	16.58	16.00	16.66	16.00
33350	New York Special Fertilizer	Baltimore	2.10	2.00	.88	1.00	1.42	.....	10.25	9.00	24.50	23.00
33344	Plant Food 1916	Baltimore	1.38	1.00	.....	.....	.92	.....	10.89	10.00	16.78	14.00
33130	Potato Manure 1916	Baltimore	4.57	5.00	1.02	1.00	1.08	.....	8.69	8.00	33.52	34.00

33174	Potato & Corn No. 2 Fert. 1916.	Baltimore	2.53	2.50	1.05	1.00	1.75	.....	10.71	10.00	27.83	$26.00
33163	7-6-0 Fertilizer	Baltimore	6.14	7.00	.....	.....	1.90	.....	6.71	6.00	32.03	34.00
33098	Special Crop Producer	Baltimore	1.08	1.00	.94	1.00	1.78	.....	8.31	8.00	18.98	18.00
33394	Squirrel Brand Fertilizer 1916	Baltimore	.90	1.00	.82	1.00	1.97	.....	8.28	8.00	17.59	18.00
33092	Stand. Pure Sup. Phos. of Lime	Baltimore	2.83	3.00	1.10	1.00	.35	.....	10.84	9.00	29.10	27.00
33131	Superior Ammon'd Super Phos.	Baltimore	4.39	4.00	.....	.....	1.78	.....	9.66	10.00	27.93	26.00
33145	Valley Brand Fertilizer 1916	Pittsville	1.11	1.00	1.02	1.00	1.82	.....	10.02	10.00	21.31	20.00
33093	Vegetable Compound 1916	Baltimore	4.61	5.00	1.14	1.00	1.32	.....	8.67	8.00	34.48	34.00
	Maryland Milling & Supply Co., Sykesville, Md.											
33743	Acid Phosphate	Sykesville	.....	.....	.....	.....	1.15	....	15.72	14.00	15.95	14.00
33744	Sure Grower Fertilizer	Sykesville	1.26	1.00	1.12	1.00	1.55	....	9.10	8.00	21.48	18.00
	Martin Fertilizer Co., Philadelphia, Pa.											
33775	Acid Phosphate	.....	.....	.....	.....	.....	1.05	.....	16.64	16.00	16.85	16.00
33776	Ammoniated Phosphate	.....	4.68	5.00	....	.....	2.15	.....	9.13	7.00	28.71	27.00
33592	Bull Head Fertilizer	Baltimore	2.85	3.00	1.02	1.00	1.63	.....	7.20	8.00	25.37	26.00
33745	Clark's Standard	Ellicott City	1.19	2.00	.92	1.00	1.97	.....	8.47	9.00	19.54	23.00
33753	Corn & Cereal Special	Baltimore	1.84	2.00	.86	1.00	3.55	.....	7.47	8.00	21.41	22.00
33659	Crop Producer	Baltimore	1.27	1.25	.. ...	.....	2.85	....	10.46	10.00	16.68	15.00
33754	Dis. Organic Compound (L.Gr.)	Baltimore	1.28	1.25	.68	.50	3.20	.....	8.88	9.00	19.36	17.00
33656	4-8	Baltimore	3.50	4.00	.....	.....	2.10	.....	9.17	8.00	24.01	24.00
33718	1-8 (Low Grade)	Baltimore	1.33	1.00	.....	.....	2.85	.....	9.58	8.00	16.04	12.00
33664	Pure Dissolved Animal Matter	Baltimore	1.81	2.00	.....	.....	3.88	.....	11.18	12.00	19.97	20.00
33711	Pure Ground Bone	Leslie	3.11	3.00	.....	.....	*21.76	*22.90	.....	.....	25.50	25.74
33539	Pure Raw Bone	Baltimore	4.52	4.50	.....	.....	*23.85	*22.96	.....	.....	32.39	31.78
33602	7-8	Baltimore	7.10	7.00	.....	.....	1.62	.....	8.45	8.00	37.50	36.00
33626	Sure Grower	Baltimore	1.30	1.00	.80	1.00	5.17	.....	5.38	8.00	17.45	18.00
33758	3-8	Leslie	2.63	3.00	.....	...	4.52	.....	8.12	8.00	20.45	20.00
33689	2-8	Preston	2.56	2.00	.....	.....	3.65	.....	8.88	8.00	20.58	16.00
33749	2-10	Baltimore	2.01	2.00	.....	.....	5.00	.....	9.06	10.00	19.10	18.00
	Massey & Hines, Chestertown, Md.											
33712	Corn Super Phosphate	Chestertown	1.11	1.00	.....	.....	2.22	.....	9.35	10.00	14.68	14.00
33713	Propagator Super Phosphate	Chestertown	2.10	2.00	.....	.....	1.67	.....	7.57	8.00	16.64	16.00
	J. O. Maynard & Co., Baltimore, Md.											
33605	H. G. Special Vegetator	Baltimore	2.70	3.00	.....	....	.52	.....	6.41	7.00	17.42	19.00
33564	H. G. Truckers' Pride	Baltimore	4.27	4.00	.....	.....	1.80	.....	8.72	8.00	26.52	24.00

*Total Phosphoric Acid.

No.	Name and Address of Manufacturer and Name of Fertilizer	Place of Sampling (and Senders initials when not Sampled by the College Agent.)	NITROGEN Calculated as AMMONIA.		POTASH. K_2O.		PHOSPHORIC ACID.				Comparative Value Per Ton Found.	Comparative Value Per Ton Guaranteed.
							Insoluble.		Available.			
			Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.		
	Miller Fertilizer Co., Baltimore, Md.											
33668	Acid Phosphate	Baltimore	.....	.....	.....	.....	.68	.50	14.43	14.00	$14.57	$14.10
33669	Club Brand (Low Grade)	Baltimore	.56	.50	.54	.50	1.85	.50	7.16	8.00	13.38	13.20
33665	Farmers Profit	Baltimore	1.81	1.75	.....	.....	.70	.50	8.75	9.00	16.27	16.20
33451	Ground Bone	White Ma'h (PWT)	3.63	4.00	.....	.....	*18.08	*20.64	.....	.....	25.37	28.38
33517	Harvest Queen (Low Grade)	Baltimore	1.09	1.25	1.06	.75	.55	.50	8.69	8.00	19.63	17.70
33734	McAfees Stand. Am'd B. Phos.	Baltimore	2.02	2.00	.....	.....	75	.....	9.02	9.00	17.40	17.00
33759	M. B. S. (Low Grade)	Baltimore	1.21	.75	.....	.....	.70	.50	6.66	7.00	11.78	10.20
33588	Pimlico	Baltimore	2.93	3.00	.....	.....	.55	.50	7.63	8.00	19.57	20.20
33721	Pimlico	Baltimore	3.03	3.00	.....	.....	.52	.50	7.85	8.00	20.18	20.20
33666	Potato & Vegetable Grower	Baltimore	2.05	2.00	1.03	1.00	.97	.50	7.56	8.00	22.33	22.20
33518	No. 1 Potato & Vegetable Gro.	Baltimore	4.23	4.50	1.02	1.00	.35	.50	8.66	8.00	31.84	32.20
33793	No. 1 Special	Salisbury	2.05	2.00	.....	.....	.60	.50	10.05	10.00	18.49	18.20
33794	No. 2 Special (Low Grade)	Ellicott City	1.31	1.25	.....	.....	.72	.50	8.65	8.00	14.18	13.20
33768	Quarter Mixture (Low Grade)	Baltimore	.77	.25	.62	.25	.62	.50	9.02	9.00	16.07	11.70
33766	Special Tobacco Grower	Baltimore	2.06	2.00	1.12	1.00	.65	.50	7.24	7.00	22.46	21.20
33519	Standard Phosphate	Baltimore	3.16	3.00	1.26	1.00	.55	.50	10.97	8.00	31.39	26.20
33670	W. G. Phosphate (Low Grade)	Baltimore	.68	.50	.58	.50	.45	.50	7.71	7.00	14.09	12.20
	Natural Guano Co., Aurora, Ill.											
33591	Pul'v'ised Sheep Manure (L.G.)	Baltimore	2.88	2.73	2.04	1.50	.15	.....	1.33	1.00	25.15	20.92
	J. B. Nichols & Son, Baltimore, Md.											
33509	Farmers Friend Fertilizer	Baltimore	4.42	4.00	1.34	1.00	1.92	.....	8.95	7.00	35.44	29.00

	Nitrate Agencies Co., New York,	**N. Y.**										
33531	H. G. Genuine Peruvian Guano.	Baltimore	12 63	13 00	2 88	2.50	2.32	.....	11.10	10.00	79.83	77.00
33532	Ground Bone	Baltimore	2.73	3.00	.....	.....	*22.90	*22.88	.....	.....	24.66	25.73
33672	Ground Fish Scrap	Baltimore	10.10	10.00	.....	.....	* 7.14	* 5.49	.....	.....	44.68	43.29
33673	Ground Tankage	Baltimore	6.22	7.00	.....	.....	* 8.02	* 6.86	.....	.....	29.69	32.12
33589	H. G. Acid Phosphate	Baltimore	.....	.....	.....	.....	.45	.....	15.23	14.00	15.32	14.00
33786	H. G. Acid Phosphate	.....	.....	.....	.....	.....	.59	.....	16 24	16.00	16.36	16.00
33454	Pesc'res H. G. Gen. Peruv. Gu.	Aberdeen (I. V. C)	13.92	14.00	3.02	2.50	1 55	.....	11.09	10.00	85.51	81.00
	G. Ober & Sons Co., Baltimore, Md.											
33755	Avondale Amm'd Dis. Bone	Baltimore	2.63	2.00	1.02	1.00	.87	.....	9.63	8.00	26 62	22.00
33651	Big Four Mixture	Baltimore	3.92	4.00	.....	.....	.78	.....	11.38	10.00	27.37	26.00
33788	Dissolved Animal Bone	.....	3.02	3.00	.....	.....	2 32	.....	12.55	10.00	25.56	22.00
33500	Dissolved Bone Phosphate	Baltimore	.....	.....	.....	.....	.35	.....	14 51	14.00	14 58	14.00
33628	Electro Compound	Baltimore	1.62	1.00	.....	.....	.80	.....	11.23	10.00	17.87	14.00
33674	Electro Guano	Baltimore	1.71	1.00	.....	.....	.70	.....	10.78	10.00	17.90	14.00
33741	Golden Seal Tobacco Guano	Baltimore	3.19	3 00	1.30	1.00	1 72	.....	8.37	8.00	29 62	26.00
33570	H. G. Acid Phosphate	Baltimore	.....	.....	.....	.....	.26	.....	17 68	16.00	17.73	16.00
33634	Independent Am'd Super Phos.	Bel Air	1.19	1.00	1.28	1.00	.75	.....	8.26	8.00	21.00	18.00
33772	Lord Baltimore Lawn Mixture	Baltimore	1 35	1 50	.....	.....	5.72	.....	13 17	13.00	20.86	19.00
33547	Nitro Potash Compound	Baltimore	2.17	2.00	1 20	1.00	.30	.....	8.37	9.00	24.37	23.00
33512	Pure Bone Meal	Baltimore	3.05	3.00	.....	.....	*23.19	*22.00	.....	.....	26.11	25.20
33534	Red King Guano	Baltimore	3.31	3.00	1.34	1.00	1.82	.....	9.05	8.00	31.06	26.00
33548	Royal Fish & Potash Compound.	Baltimore	2.01	2.00	1.04	1.00	.50	.....	9.09	9.00	23.57	23.00
33506	Star Vegetable Compound	Baltimore	5.02	5.00	1.10	1.00	.67	.....	8.80	8.00	35.75	34.00
33624	Sun Beam Guano	Baltimore	2.25	2.00	.....	.....	1.12	.....	10.29	10.00	19.74	18.00
	Patapsco Guano Co., Baltimore, Md.											
33300	Ammoniated Compound	Baltimore	1.11	1.00	.....	.....	1.37	.....	9.82	10.00	14.81	14.00
33146	Battle Ax Phosphate (L. Gr.)	Snow Hill	.....	.....	.....	.....	.78	.....	12.32	12.00	12.48	12 00
33105	Blood, Bone & Potash (L. Gr.)	Baltimore	.61	.50	.90	1.00	1.38	.....	8.02	8.00	16.41	16.00
33585	Coon Brand Gauno 1916	Baltimore	1.08	1.00	.94	1.00	1.65	.....	9.72	9.00	20.34	19.00
33289	Corn & Tomato Fert. 1916	Baltimore	1.74	1.50	.76	1.00	1.72	.....	10.28	10.00	22.49	22.00
33331	Dissolved Animal Bone	Baltimore	2 44	2 50	.....	.....	1.75	.....	12 23	12.00	22.69	22.00
33311	Fish Guano	Snow Hill	2 01	2.00	.84	1.00	1.37	.....	9.91	8.50	23.54	22.50
33277	Golden Crop Fertilizer 1916	Centreville	2.18	2.00	.....	.....	1.78	.....	9 81	10.00	19.24	18.00
33190	Grange Mixture 1916	Baltimore	1.91	2 00	.96	1.00	1.48	.....	10 01	9.00	24.00	23.00
33226	H. G. Acid Phosphate	Baltimore	.....	.....	.....	.....	.90	.....	16 08	16.00	16.26	16 00
33278	Money Maker 1916	Centreville	1.06	1.00	1.03	1.00	1.62	.....	8.58	8.00	19.65	18.00
33540	Pure Dissolved S. C. Phos	Baltimore	.....	.....	.....	.....	.87	.....	14.07	14.00	14.24	14.00

*Total Phosphoric Acid.

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							Insoluble.		Available.			
			Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.		
	Patapsco Guano Co., Balto., Md.											
33522	See Gull Guano	Baltimore	1.14	1.00	1.06	1.00	1.75	.....	8.85	8.00	$20.47	$18.00
33147	7-6-0 Fertilizer	Snow Hill	6.93	7.00	.....	.....	1.88	.....	6.90	6.00	35.37	34.00
33523	Special Early Trucker 1916.	Baltimore	4.73	5 00	1 10	1.00	1.15	.....	8.57	8.00	34.55	34.00
33191	Tobacco & Potato Fert 1916	Baltimore	2 51	2.50	.84	1.00	1.15	.....	9.18	8.00	24.72	24 00
33351	Truckers' Fish Mixture	Baltimore	2 93	2.00	.....	.....	1.92	.....	10.11	10.00	22.60	18.00
33312	Truckers' Delight	Snow Hill	2.85	3.00	.....	.....	1.45	.....	10.15	10.00	22.13	22 00
	Phosphate Lime Co., Balto., Md.											
33553	Buyers' Mix Stand. Limed Phos	Baltimore	.....	.....	.....	.....	7.40	.....	9.15	16.00	10.63	16.00
	Piedmont-Mt. Airy Guano Co., Balto., Md.											
33513	Levering's Excelsior	Baltimore	2.39	1.00	.70	1.00	.82	.....	8.82	8 00	22.91	18.00
33590	Levering's Standard	Baltimore	2.32	2.00	.....	.....	.70	.....	8.34	8.00	17.90	16 00
33746	Peerless Phosphate (Low Gr.)	Mt. Airy	1.08	1.00	.....	.....	.97	2.00	7.65	8.00	12.36	12.80
33560	Piedmont Acid Phosphate 14%	Baltimore	.....	.....	.....	.....	.25	.....	15.26	14 00	15.31	14.00
33554	Piedmont Acid Phosphate 16%	Baltimore	.....	.....	.....	.....	.17	.....	16.62	16.00	16.65	16.00
33608	Piedmont Blue Ribbon Fert	Baltimore	3.29	3.00	.....	.....	1.05	.....	8.71	10 00	22.29	22.00
33556	Piedmont Challenge Fert	Baltimore	4.79	5.00	.....	.....	1.65	.....	8.44	8 00	28.26	28.00
33586	Piedmont Climax Ft. Rev. 1916.	Baltimore	6.38	7.00	.....	.....	1 00	.....	6.44	6.00	32 36	34.00
33561	Piedmont Dissolved Ani. Bone	Baltimore	2.75	2.50	.....	.....	1.23	.....	13.20	10 00	24.69	20.00
33747	Piedmont Economy (Low Gr.)	Mt. Airy	.29	.25	.....	.....	.25	.....	10.08	10.00	11.34	11.00
33675	Piedmont Fish Guano Revised	Baltimore	2.34	2.00	.....	.....	1.22	.....	9 67	10.00	19 52	18.00
33719	Piedmont Gen. Favorite (L. G.)	Baltimore	2.08	2.00	.....	.....	.70	.....	7 96	5.00	16 56	13.00

33720	Piedmont Golden Eagle Fert....	Baltimore.....	1.74	2.00	1.14	1.00	.95	.....	9.08	9.00	23.26	23.00
33742	Piedmont Guano for Tobacco....	Baltimore.....	2.32	2.50	1.70	2.00	.92	.....	8.29	8.00	28.14	30.00
33574	Piedmont Imperial Fertilizer ...	Baltimore.....	2.92	3.00	.84	1.00	.65	.....	9.50	9.00	26.48	27.00
33575	Piedmont Leader Fertilizer.....	Baltimore.....	3.92	4.00	1.16	1.00	1.07	.....	9.21	8.00	32.28	30.00
33514	Piedmont 12% Phosphate (L.G.)	Baltimore.....	....	.....	.....	.....	.15	.....	12.76	12.00	12.79	12.00
33780	Piedmont Progress Fertilizer...	Baltimore.....	4.69	5.00	.....	.....	1.07	.....	6.74	7.00	25.93	27.00
33705	Piedmont Raw & Dis. Bone.....	Federalsburg	3.16	3.00	.....	.....	*22.98	*22.93	.....	.....	26.43	25.76
33562	Piedmont Reliable Fertilizer....	Baltimore.....	3.45	4.00	.....	.....	1.22	.....	8.63	8.00	22.92	24.00
33571	Piedmont Special Crop Grower..	Baltimore.....	1.01	1.00	.....	.....	.55	.....	10.50	10.00	14.76	14.00
33557	Piedmont Special Potato Guano.	Baltimore.....	6.72	7.00	.....	.....	.40	.....	10.68	8.00	37.72	36.00
33748	Piedmont Standard Dis. Bone ..	Mt. Airy.....	1.02	1.00	.....	.....	.45	2.00	10.60	10.00	14.86	14.80
33563	Piedmont Utility Fertilizer.....	Baltimore.....	2.05	2.00	.....	.....	1.17	.....	10.10	10.00	18.77	18.00
	Ramsburg Fertilizer Co., Frederick, Md.											
33724	Ammoniated Bone Phosphate...	Frederick.....	1.06	1.00	.....	.....	2.97	.....	12.45	11.00	17.88	15.00
33693	Corn & Potato Fertilizer.....	Myersville.....	1.47	1.25	.....	.....	2.65	.....	12.30	10.00	19.24	15.00
33725	Excelsior Plant Food.....	Monrovia	2.06	2.00	.....	.....	2.55	.....	11.80	9.00	21.06	17.00
33694	Queen (Low Grade).....	Middletown.....	.70	.50	.....	.....	1.77	.....	11.94	10.00	15.45	12.00
33726	Super Phosphate.....	Frederick.....	.....	....	.....	.....	1.55	.....	16.02	16.00	16.33	16.00
33727	Wm's Wht. & Grass Fert. (L.G.)	Monrovia	1.19	1.00	.....	.....	3.60	.....	10.17	8.00	16.37	12.00
	Rasin-Monumental Co., Balto., Md.											
33690	Imp. Pulv. Goat Manure(L.G.).	Easton.....	1.33	1.25	2.92	2.50	.05	1.00	.79	.50	23.65	20.90
33598	Rasin's Acid Phosphate.....	Baltimore.....	.....	.....	.....	.....	1.40	.....	14.89	14 00	15.17	14.00
33737	Rasin's Acid Phosphate	Baltimore.....	.....	.....	.....	.....	1.15	.....	16.02	16.00	16.25	16.00
33535	Rsn. Emerg. Royal Fish, Bone & Pot..	Baltimore.....	2.15	2.00	.70	1.00	2.60	.....	8.51	8.50	22.35	22.50
33541	Rsn. Emerg. Royal Fish, Bone & Pot..	Baltimore.....	1.86	2.00	.84	1.00	2.00	1.00	8.63	8.50	21.91	22.90
33542	Rsn. Empire Am'd Super Phos..	Baltimore.....	3.07	3.00	.....	.....	1.70	1.00	9.57	10.00	22.53	22.40
33558	Rasin's Empire Guano Revised..	Baltimore.....	2.04	2.00	.76	1.00	1.20	1.00	9.21	8.00	22.41	22.40
33680	Rsn. Half & Half Spec. (L.G.).	Colora.....	.56	.50	.60	.50	1.48	1.00	8.64	8.00	15.07	13.40
33555	Rsn. H.G. Pot. & Tr'k Man. Rev.	Baltimore.....	3.77	4.00	1.88	2.00	1.22	1.00	8.66	8.00	35.51	36.40
33625	Rasin's Home Run Guano	Baltimore.....	2.17	2.00	1.48	1.00	1.55	1.00	10.20	10.00	28.38	24.40
33543	Rasin's Long Island Special	Baltimore.....	5.84	6.00	.....	.....	1.92	1.00	8.01	8.00	32.14	32.40
33771	Rsn. Royal Amm'd. Super-Phos(L.G.)	Baltimore.....	.89	.50	.....	.....	1.37	1.00	9.45	10.00	13.56	12.40
33599	Rsn. Sea Wall Special(L. G.)...	Baltimore.....	.....	....	....	.....	1.40	....	10.46	10 00	10.74	10.00
33536	Rsn. Spec. Fish & Bone Guano.	Baltimore.....	2.18	2.00	.....	.....	2.87	1.00	11.16	11.00	21.03	19.40
33660	Rsn. Stand Tomato Gro.-Rev...	Baltimore.....	.78	1.00	2.18	2.00	.60	1.00	8.28	8.00	24.72	24.40
33756	Rasin's Steamed Bone.....	Silver Spring.....	3.50	3.00	.....	.....	*23.43	*22.93	.....	.....	28.06	25.76
33544	Rsn. United Grain Amm'd Super-Phos	Baltimore.....	1.33	1.25	.....	.....	1.30	1.00	9.86	10.00	15.70	15.40
33545	William Penn Crop Grower.....	Baltimore.....	1.06	1.00	1.14	1.00	1.97	1.00	7.88	8.00	19.75	18.40

Total Phosphoric Acid.

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							Insoluble.		Available.			
			Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.		
	Reindollar Co., Taneytown, Md.											
33728	Economy Fertilizer	Taneytown	1.08	1.00	2.20	2.00	2.27	.....	9.96	9.00	$28.39	$25.00
33729	1-10	Taneytown	1.06	1.00	.....	.....	1.90	.....	9.74	10.00	14.74	14.00
	W. E. Robinson & Co., Bel Air, Md.											
33691	Spec. H. G. Acid Phosphate	Fallston	.....	.....	.....	.....	.97	.....	16.33	16.00	16.52	16.00
33779	Vegetable & Grain Gro- (L. G.)	.....	1.74	2.00	.38	.25	1.50	.....	8.22	8.00	18.06	17.50
	F. S. Royster Guano Co., Balto., Md.											
33576	Acid Phosphate 14%	Baltimore	.....	.....	.....	.....	.90	.....	14.62	14.00	14.80	14.00
33695	Acid Phosphate 16%	Motters	.....	.....	.....	.....	.47	.....	17.10	16.00	17.19	16.00
33609	Alaska 7% Ammoniated Phos	Baltimore	6.45	7.00	.....	.....	3.27	.....	6.77	8.00	33.88	36.00
33546	Ammoniated Super Phos. 7%	Baltimore	6.01	7.00	.....	.....	2.32	.....	4.93	6.00	29.95	34.00
33507	Ammoniated Super Phos. 5%	Baltimore	6.59	5.00	.....	.....	1.85	.....	7.04	7.00	34.14	27.00
33667	Cuckoo Crop Grower	Baltimore	1.25	1.00	.86	1.00	1.12	.....	8.64	8.00	19.25	18.00
33657	Dissolved Bone	Baltimore	2.71	2.50	.....	.....	2.07	.....	11.91	12.00	23.58	22.00
33798	Dreadnought Fertilizer	Baltimore	2.04	2.00	2.24	2.00	1.50	.....	7.35	8.00	29.55	28.00
33508	Drillwell Phosphate	Baltimore	3.29	3.00	1.10	1.00	1.27	.....	8.04	8.00	28.31	26.00
33607	Expo 5% Potato Guano	Baltimore	5.10	5.00	.96	1.00	2.60	.....	6.25	7.00	33.45	33.00
33537	Flamingo Amm'd Super Phos	Baltimore	2.73	2.50	.....	.....	1.90	.....	11.71	12.00	23.39	22.00
33610	H. G. Acid Phosphate 16%	Baltimore	.....	.....	.....	.....	.82	.....	16.81	16.00	16.97	16.00
33524	Holdfast 7% Potato Guano	Baltimore	6.59	7.00	1.58	1.00	2.25	.....	5.83	6.00	42.57	40.00
33611	Logical Compound	Baltimore	2.34	2.00	.92	1.00	1.67	.....	7.81	8.00	23.36	22.00
33603	Penguin Amm'd Super Phos	Baltimore	2.08	2 00	.....	.....	1.85	.....	10.90	10.00	19.96	18.00

33781	Peninsula Corn Grower (L. G.)	.....	.....	.....	.....	.....	.62	.....	11.19	11.00	11.31	11.00
33658	Pure Raw Bone Meal	Baltimore	3.53	4.50	.....	.....	*22.95	*21.50	....	.....	27.89	30.90
33681	Royal Blue Amm'd Super Phos.	Childs	1.26	1.00	.....	.....	1.12	.....	10.48	10.00	15.97	14 00
33769	Slaughter House Tankage	Baltimore	8.16	8.00	.....	.....	* 8.58	* 6.00	.....	.....	37.79	35.60
33774	Special Wheat Grower	Baltimore	1.37	1.00	.....	.....	1.70	.....	12.65	12.00	18.81	16.00
	Scott Fertilizer Co., Elkton, Md.											
33635	Ammoniated Base	Elkton	2.46	2.00	.....	.....	2.28	.....	11.51	12.00	22.26	20.00
33636	Ammoniated Super Phos	Elkton	3.89	4.00	.....	.....	2.68	.....	10.92	10.00	27.55	26.00
33714	Corn & Oats Grower (L. Gr.)	Elkton	.72	.50	1.12	1.00	.90	.....	10.26	10.00	20.22	18.00
33682	Potato Grower	Rising Sun	2 15	2.00	1.16	1.00	2.02	1.00	11.42	10.00	27.79	24.40
33715	Potato & Truck 1916	Elkton	2.92	3.00	1.22	1.00	1.50	.....	9.98	9.00	29.58	27.00
33637	Pure Ground Raw Bone	Elkton	4.57	4.00	.....	.....	*23.64	*21.50	.....	.....	32.46	28.90
33716	Special Grain Grower	Elkton	1.18	1.00	.....	.....	2.52	.....	11.27	10.00	17.00	14.00
33638	Sure Growth Compound	Elkton	4.01	4.00	1.03	1.00	.88	.....	11.55	10.00	34.12	32.00
33683	Sure Growth Super Phos	Rising Sun	2.15	2.00	1.14	1.00	3.00	1.00	8 80	8.00	25.44	22.40
33639	Tip Top Soluble Phosphate	Elkton	.....	.....	.....	.....	.92	.....	15.04	14.00	15 22	14.00
33684	Tip Top Soluble Phosphate	Rising Sun	.....	.....	.....	.....	.68	.....	16.62	16.00	16.76	16.00
	Standard Guano Co., Baltimore, Md.											
33662	Big Four Wheat Grower (L. G.)	Baltimore	.55	.50	.68	.50	1.38	.....	12.01	11.00	18.84	16 00
33549	Extra H. G. Acid Phosphate	Baltimore	.....	.....	.....	.....	.77	.....	16.61	16.00	16.76	16.00
	W. H. Streett & Co., Fallston, Md.											
33717	Ammoniated Dissolved Bone	Fallston	1.54	1.50	1.08	1.00	.77	.50	9.40	9.00	22.35	21 20
33640	Animal Compound	Bel Air	2.58	2 50	.....	.....	.82	.25	10.58	10.00	21.23	21.00
33641	Standard (Low Grade)	Bel Air	1.54	1.50	.52	.50	.92	.50	7.85	8.00	17.50	17.20
	Superior Guano Co., Baltimore, Md.											
33510	Acid Phosphate 14%	Baltimore	.....	.....	.....	.....	.87	.....	14.77	14.00	14.84	14.00
33787	Acid Phosphate 16%	.....	.....	.....	.....	.....	1.12	.....	16.43	16.00	16.65	16.00
33572	M. B. W. Big Crop Grower	Baltimore	2.53	2 00	.96	1.00	.60	.....	6.97	8.00	23.09	22.00
33578	M. B W. Bone, Blood & Potash	Baltimore	4 03	5.00	.80	1.00	1.87	.....	6.98	8.00	28.65	34 00
33526	M. B. W. Dissolved Bone	Baltimore	1.67	1.25	.....	.....	2.67	.....	9.97	10.00	17 72	15.00
33614	M. B. W. Spec. Bone Mix (L.G.)	Baltimore	.78	.50	.46	1.00	3.22	.....	5.15	9.00	12.32	17.00
33579	M. B. W. S. C'n & Grass (L. G.)	Baltimore	.....	.....	1.08	1.25	2.42	.....	5.09	8.00	12.05	15.50
33770	M. B. W. Special Mixture	Baltimore	1.88	2.00	.....	.....	1.67	.....	8.74	8.00	16.93	16.00
33527	M. B. W. Special Mixture	Baltimore	5.36	5.00	.....	.....	.92	.....	7.30	8 00	29.11	28.00
33550	M. B. W. Special Mixture	Baltimore	4.32	4.00	.....	.....	.32	.....	9.56	10.00	26.97	26 00

*Total Phosphoric Acid.

No.	Name and Address of Manufacturer and Name of Fertilizer	Place of Sampling (and Senders initials when not Sampled by the College Agent.)	NITROGEN Calculated as AMMONIA.		POTASH. K_2O.		PHOSPHORIC ACID.				Comparative Value Per Ton Found.	Comparative Value Per Ton Guaranteed.
							Insoluble.		Available.			
			Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.		
	Superior Guano Co., Baltimore, Md.											
33580	M. B. W. Special Truck	Baltimore	3.04	3.00	1.16	1.00	1.90		6.15	8.00	$26.03	$26.00
33581	M. B. W. Stevens Asp'gus Mix.	Baltimore	2.49	3 00			2.55		7.09	8.00	18.07	20.00
	Swift & Co., Baltimore, Md.											
33631	"A" Fertilizer	Baltimore	3.09	3.00	1.02	1.00	1.25		7.73	8.00	26.76	26.00
33686	Corn & Grain Grower (L. Gr.)	Baltimore	.92	1.00			1.20		5.91	7.00	10.07	11.00
33735	Eagle Fertilizer	Baltimore	2.03	2.00	.94	1.00	1.90		7.66	8.35	22.18	22.35
33615	Farmers Favorite	Baltimore	2.05	2.00	.92	1.00	1.60		8.08	9.00	22.44	23.00
33783	Garden City Phosphate	Baltimore					1.07		13.69	14.00	13.90	14.00
33671	Garden & Truck	Baltimore	3.75	4 00	1.14	1.00	1.20		7.92	8.00	30.24	30.00
33784	H. G. Acid Phosphate						1.02		15.24	16.00	15.44	16.00
33739	Mammoth Potato Brand	Baltimore	4.27	5.00			1 22		8.87	10.00	26.44	30.00
33616	Potato Manure	Pocomoke City	6.33	7.00			1.25		5.09	5.00	30.91	33.00
33632	Prolific	Baltimore	1.83	2.00			1.55		6.79	8.00	14.73	16.00
33501	Pure Pulv. Sheep Ma. (L. G.)	Baltimore	2.51	2.50	2.44	1.50	*1.45	*1.00			25.55	19.60
33617	Pure Sweet Potato Fert	Pocomoke City	3.17	3.00			1.90		7.33	8.00	20.77	20.00
33653	Red Steer	Baltimore	1.54	2.00			1 55		7.54	9.00	14.32	17.00
33502	Reliable Grain Fertilizer	Baltimore	1.23	1.00	.88	1.00	1.57		7.52	8.00	18.35	18.00
33767	Special "A"	Baltimore	2.64	3.00			1.75		7.53	8.00	18.79	20.00
33687	Special Corn Grower	Baltimore	2 10	2.00			1.80		10.28	10.00	19.40	18.00
33568	Special Early Truck	Baltimore	5.20	5.00			2.45		6.83	7.00	28.61	27.00
33612	Special Formula	Baltimore	4.10	5.00			2.68		6.25	6.00	23.72	26.00
33704	Special Formula	Baltimore	3.29	3.00	1.40	2.00	1.97		7.43	8.00	29.78	32.00

33618	Special Formula "A"	Pocomoke City	3.69	4.00	.....	.....	1.92	.....	7.31	8.00	22.84	24.00
33654	Special Formula "C"	Baltimore	1.69	2.00	.....	.....	2.58	.....	12.05	12.00	19.84	20.00
33655	Special Formula "D"	Baltimore	1.08	1.00	.....	.....	1.88	.....	7.88	9.00	12.95	13.00
33703	Special Formula	Baltimore	2.95	2.00	2.50	4.00	2.35	.....	6.85	8.00	34.59	40.00
33736	Special Grain Grower	Baltimore	1.86	2.00	.90	1.00	1.07	.....	12.67	12.00	25.94	26.00
33583	Top Dresser Formula No. 1	Baltimore	7.05	7.00	.....	.....	1.02	.....	7.49	8.00	36.10	36.00
33569	Trucking Compound	Baltimore	7.03	7.00	.....	.....	1.72	.....	6.01	6.00	34.82	34.00
33613	Virginia Potato Grower	Baltimore	4 11	5.00	.....	.....	1.20	.....	7.47	7 00	24.39	27.00
	H. S. Taveau & Co., Baltimore, Md.											
33593	Allerton Guano	Baltimore	1.83	2.00	.90	1.00	1 38	.....	9.51	9 00	22.78	23.00
33750	Bone Compound	Baltimore	2 42	2.50	.96	1.00	1.22	.....	10.88	10.00	26.81	26.00
33601	Fine Ground Bone Meal	Baltimore	3.07	3.00	.....	.....	*14.58	*13.73	.....	.....	21.03	20.24
33594	Florida Phosphate	Baltimore	.....	.....	.....	.....	.68	.....	14.11	14.00	14 25	14.00
33595	Pride of Maryland	Baltimore	1.54	1.50	.76	1.00	1.15	.....	11.39	10.00	22.57	22.00
33751	Pride of Virginia	Baltimore	1.06	1.00	1.02	1 00	1.52	.....	9.48	9 00	22.45	19.00
33722	Special Compound	Baltimore	2.06	2.00	.....	.....	2.22	.....	9.86	10.00	18.99	18.00
33596	Strawberry Top Dressing	Baltimore	4 62	5.00	1.32	1.00	.75	.....	4.62	4.00	31.32	30.00
	Thomas & Co., Frederick, Md.											
33757	Crop Grower	Washington Grove	1.02	1.00	.92	1.00	2.17	.....	7.76	8.00	18.23	18.00
33661	Harvest Queen Phosphate	Baltimore	1 26	1.25	.....	.....	.98	....	12.25	10.00	17.68	15.00
33696	H. G. Special Mix. (L. Gr.)	Adamstown	.51	.50	.....	.....	2.95	.....	8.93	10.00	12.15	12.00
33697	Plant Food Phosphate	Adamstown	1.04	1.00	.....	.....	2.70	.....	8.54	9 00	13.78	13.00
33701	Popular Phosphate (L. Gr.)	Baltimore	.68	.50	.....	.....	2.12	.....	8.02	8.00	11.59	10.00
	I. P. Thomas & Son Co., Phila., Pa.											
33763	Farmer's Choice Fertilizer	Annapolis	2.54	3.00	.....	.....	1 47	.....	9.81	10.00	20.56	22.00
33764	Tip Top Fertilizer	Annapolis	2.78	3.00	1.10	1.00	1.57	.....	8 11	8.00	26.46	26.00
33765	Wheat & Corn Guano	Annapolis	2.01	2.00	.....	.....	1.42	.....	9.50	10.00	18.11	18.00
	Wm. B. Tilghman Co., Salisbury, Md.											
33692	Fish, Bone Phosphate 1-11	Preston	.92	1.00	.....	.....	.47	.....	12.49	11.00	16.36	15.00
33642	H. G. Acid Phosphate	Westover	.....	.....	.....	.....	.45	.....	16.02	16.00	16.11	16.00
33643	H. G. Early Truck Guano	Princess Anne	4 76	5.00	.....	....	.98	.....	8.39	8.00	27.82	28.00
33619	Mixture "B" Revised 1916	Pittsville	4.13	4.00	.....	.....	1.30	.....	9.38	9.00	26.42	25.00
33706	Special for Clover (Low Gr.)	Willards	.56	.33	.....	.....	.60	.....	12 34	12 00	14 82	13.32
33644	Special Potato Fertilizer	Princess Anne	3.12	3.00	.....	.....	1.15	.....	9.02	9.00	21.96	21.00
33620	Stand. Fish Mixture Rev. 1916	Salisbury	2.06	2.00	.....	.....	1.15	.....	9.90	10.00	18.60	18.00

*Total Phosphoric Acid.

No.	Name and Address of Manufacturer and Name of Fertilizer	Place of Sampling (and Senders initials when not Sampled by the College Agent.)	NITROGEN Calculated as AMMONIA.		POTASH. K_2O.		PHOSPHORIC ACID.				Comparative Value Per Ton Found.	Comparative Value Per Ton Guaranteed.
							Insoluble.		Available.			
			Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.		
	Tuscarora Fertilizer Co., Balto., Md.											
33740	Ammoniated Phosphate (L. Gr.)	Baltimore	1.02	1.00	1.04	1.00	1.60	.....	7.95	7.00	18.91	17.00
33573	6-8-0	Baltimore	6.04	6.00	.....	.....	1.38	.....	8.30	8.00	33.01	32.00
	J. Tyson & Son, Frederick, Md.											
33730	Corn & Potato Fertilizer	Frederick	.65	1.00	.90	1.00	.72	.....	8.92	8.00	17.21	18.00
	E. S. Valliant & Son, Church Hill, Md.											
		Baltimore	.....	.....	.....	.....	.28	.....	14.10	14.00	14.16	14.00
33633	Acid Phosphate	Baltimore	.51	.25	.36	.25	.42	.....	8.46	9.00	12.83	11.50
33503	Ammo. Potash Mixture (L. G.)	Baltimore	2.41	2.00	.92	1.00	1.12	.....	8.01	8.00	23.62	22.00
33515	Big Crop Phosphate	Baltimore	1.14	1.00	1.12	1.00	.62	.....	8.42	8.00	19.95	18.00
33511	General Crop Mixture	Baltimore	.51	.50	.40	.25	.90	.....	9.94	10.00	14.74	13.50
33698	Grain Grower (Low Grade)	Baltimore	6.57	7.00	.....	.....	.68	.....	8.02	8.00	34.57	36.00
33688	7-8-	Baltimore	1.91	2.00	.....	.....	.57	.....	9.01	8.00	16.38	16.00
33504	Tomato Guano	Baltimore	3.48	4.00	.....	.....	.60	.....	8.53	8.00	22.69	24.00
33505	Truck Compound	Baltimore										
	W. E. Valliant, Laurel, Del.											
33702	Delaware Royal	Baltimore	3.04	3.00	.....	.....	.55	.50	8.19	8.00	20.57	20.20
	Virginia-Carolina Chemical Co., Richmond, Va.											
33723	Ammoniated Special	Baltimore	1.18	1.25	.....	.....	.97	1.00	8.20	10.00	13.31	15.40
33792	Champion Manure (Low Grade)	Baltimore	.70	.50	.90	1.00	1.62	1.00	7.62	8.00	16.47	16.40
33752	Comet Grain Grower	Baltimore	1.09	1.00	1.04	1.00	1 67	1.00	10.67	10.00	21.94	20 40
33762	Fish & Bone Mixture	Baltimore	2.05	2.00	.....	.....	2.15	1.00	10.65	11.00	19.71	19.40
33663	Fish, Bone & Potash Revised	Baltimore	1 84	2.00	1.16	1.00	1.98	1.00	8.89	8.50	24.00	23.90

33663	Fish, Bone & Potash Revised...	Baltimore.....	1 84	2.00	1.16	1.00	1.98	1.00	8.89	8.50	24.00	22.90
33699	Royal Truckers' Special.....	Baltimore.....	2.90	3.00	1.40	2.00	1.17	1.00	9.94	8.00	30.41	32.40
33700	Special Compound.....	Baltimore.....	1.09	1.00	1.20	1.00	1.87	1.00	8.04	8.00	20.35	18.40
33645	Standard Crop Grower.....	Cambridge.....	1.96	2.00	1.42	2.00	1.75	1.00	8.61	8.00	25.67	28.40
	S. L. Webster & Son, Cambridge, Md.											
33646	Crop Marvel	Cambridge.....	1.27	1.25	.....	.....	1.62	.....	10.14	10.00	15.87	15.00
33647	Fish & Bone.....	Cambridge.....	2.01	2.00	.....	.....	1.10	.....	8.07	8.00	16.55	16.00
33648	Fish Mixture.....	Cambridge.....	1.54	1.50	1.22	1.00	1.00	.....	8.24	8.00	22.12	20.00
33649	William Webster's Trucker.....	Rhodesdale	2.53	3.00	.....	.....	1.42	1.00	7.82	8.00	18.51	20 40
	Westminster Fertilizer Co., Westminster, Md.											
33731	Governor (Low Grade).....	Westminster.....	1.74	1.50	.58	.50	1.35	.....	9.73	10 00	20.71	19.00
33732	Leader (Low Grade).....	Westminster.....	1.04	1.00	.36	.35	.80	.....	9.51	9.00	16.15	15.10
33733	Super-A-(Low Grade).....	Westminster.....	.96	1.00	.28	.25	.85	.....	9.32	8.75	15.18	14.25
	H. W. Whistler, Bel Air, Md.											
33676	Dissolved Bone	Baltimore.....	2.05	2 00	.....	.....	1.18	.....	12.69	12.00	21.36	20.00
	F. M. Wilson & Co., Pocomoke City, Md.											
33621	Favorite Truck	Pocomoke City.....	3.92	4.00	.....	.....	2.70	.....	9.62	10.00	26.38	26.00
33707	Peninsula Amm'd Super Phos...	Pocomoke City.....	1.35	1.50	.....	.....	.20	.....	14.94	12.00	20.42	18.00
	Wiseman, Downs Co., Balto., Md.											
33528	Wisdom Br'd Blood Bone & Tank	Baltimore.....	4.62	5.00	.....	.....	1 82	.....	8.94	8.00	28 15	28.00
33584	Wisdom Br'd General Crop Gro.	Baltimore.....	2.01	2.00	.....	.....	1 80	.....	8.83	8.50	17.59	16 50
	Robt. A. Wooldridge Co., Balto., Md.											
33156	Ammoniated Phosphate.....	Baltimore.....	1.06	1.00	.88	1.00	1.88	.....	8.45	8.00	18.72	18.00
33148	Basic Lime Phosphate (L. Gr.).	Centreville.....	.....	.....	.....	.....	1.60	.....	12.35	13.00	12.67	13.00
33587	Benefactor Truck.....	Baltimore.....	4.74	5.00	.....	.....	1.60	.....	8.04	8.00	27.64	28.00
33516	Champion Stag Phosphate.....	Baltimore.....	.96	1.00	1.08	1.00	.87	.....	10.14	9.00	20.81	19.00
33419	Chieftain Phosphate 1916.....	Baltimore.....	1.93	2.00	.88	1.00	1.15	.....	10.01	9.00	23.47	23.00
33559	Common Sense Super Phos.....	Baltimore.....	4.21	4.00	.....	.....	2.05	.....	9.73	10.00	27 39	26.00
33212	Dissolved S. C. Phos. (L. Gr.).	Baltimore.....	.....	.....	.....	.....	.85	.....	10.52	12.00	10.69	12 00
33369	Double Quick Pure Bone Phos. 1916.	Baltimore.....	2.41	2.50	1.10	1.00	.85	.....	9.73	8.00	26.31	24.00
33227	Extra Value Truck Fert..... ..	Baltimore.....	4.73	5.00	...	.....	.98	.....	7.58	7.00	26.89	27.00
33327	Farm's Fav. Cereal Comp. (L. Gr.) ..	Baltimore.....	.82	.50	1.06	1.00	1.38	.....	8.76	8.00	18 95	16.00
33328	Fish Mixture (Low Grade).....	Baltimore.....	1.31	1.00	.....	.....	1.28	.....	8.20	8.00	13.95	12.00
33551	First Prize Truck Phos.....	Baltimore.....	6.76	7.00	.....	.....	1.90	.....	7.93	8.00	35.73	36.00
33175	Florida Acid Phosphate.....	Baltimore.....	.....	.....	.....	.....	.98	.....	14.08	14.00	14.28	14.00
33246	High Grade Acid Phosphate....	Baltimore.....	.....	.....	.....	.....	1.07	.....	15.88	16.00	16.09	16.00

No.	Name and Address of Manufacturer and Name of Fertilizer	Place of Sampling (and Senders initials when not Sampled by the College Agent.)	NITROGEN Calculated as AMMONIA.		POTASH. K_2O.		PHOSPHORIC ACID.				Comparative Value Per Ton Found.	Comparative Value Per Ton Guaranteed.
							Insoluble.		Available.			
			Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.		
	Robt. A. Wooldridge Co., Balto., Md.											
33230	H. G. Dissolved Animal Bone.....	Baltimore.....	2.30	2.50	.....	.....	2.40	.....	12.26	12.00	22.42	22.00
33552	G. C. Animal Bone Truck 1916..	Baltimore.....	4.52	5.00	1.08	1.00	1.12	.....	8.84	8.00	33.85	34.00
33213	High Grade Amm'd Potash Fert.....	Baltimore.....	3.01	3.00	1.08	1.00	1.38	.....	9.57	9.00	28.64	27.00
33176	Old Fertility Phosphate.....	Baltimore.....	1.89	2.00	.....	.....	1.90	.....	9.94	10.00	18.26	18.00
33529	Pure Raw Bone	Baltimore.....	4.56	4.50	.....	.....	*21.60	*21.51	.....	.....	31.20	30.91
33164	Spec. Potato & Tomato Fert....	Baltimore.....	1.84	2.00	.86	1.00	1.68	.....	10.43	10.00	23.62	24.00
33251	S. S. Sure Shot Truck Phos. 1916....	Baltimore.....	4.03	4.00	1.26	1.00	1.25	.....	9.19	9.00	33.37	31.00
33165	Triumph Brand Phosphate.....	Baltimore.....	1.40	1.50	.90	1.00	1.65	.....	10.94	10.00	22.60	22.00
	Wooldridge Fertilizer Co., Balto., Md.											
33761	H. G. Potato & Tomato Grower.	Baltimore.....	2.01	2.00	1.04	1.00	.70	.50	7.59	8.00	22.15	22.20
33629	Special No. 1 Fertilizer.....	Baltimore.....	2.05	2.00	.....	.....	.62	.50	10.06	10.00	18.51	18.20
33630	Tiger Phosphate (Low Grade)..	Baltimore.....	1.30	1.25	.68	.50	.87	.50	8.20	8.00	17.83	16.20
	Worcester Fertilizer Co., Snow Hill, Md.											
33708	Corn Producer.....	Snow Hill.....	1.18	1.00	.....	.....	1.40	.....	11.48	10.00	16 76	14.00
33622	Early Truck Guano.....	Snow Hill.....	5.46	5.00	.....	.....	1.35	.....	9.65	8.00	32.03	28.00
33650	Early Truck Guano.....	Pokomoke City.....	5.44	5.00	.....	.....	1.38	.....	9.78	8.00	32.09	28.00
33709	General Crop Grower.....	Snow Hill.....	2.34	2.00	....	.....	2.32	.....	10.70	10.00	20.99	18.00
33623	7% Guano	Snow Hill.....	6.72	7.00	.....	.....	1.45	.....	8.96	8.00	36.42	36.00
33710	Tomato Compound.....	Snow Hill.....	3.46	3.00	.....	.....	1.37	.....	9.60	10.00	23.99	22.00

*Total Phosphoric Acid.

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THE

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